ECONOMICAL DESIGN GUIDE

ECONOMICAL LOAD TABLES

The following Economical Design Guide load tables are provided to aid designers in selecting the most economical joist for a given span and loading condition. The joist selections shown are listed based on production costs starting with the lowest cost joist for each span from 10'-0" through 145'-0". Refer to next page for definition of "Span". Bridging and erection costs have not been considered in the joist selections. The tables include K, LH and DLH Series joists.

Total load capacities are listed for both LRFD and ASD load conditions. Live loads which will produce an approximate deflection of 1/240 or 1/360 of the span are also listed. The tables also include an approximate weight per foot of each joist selection.

The tables have been shaded to indicate the joist selections requiring the installation of bolted diagonal bridging. Designers should consider erection costs associated with the bridging requirements when making joist selections.

Where the joist designation is shaded RED, SJI requires the row of bridging nearest to midspan to be bolted diagonal and shall be completely installed prior to releasing the hoisting cables.

Where the joist designation is shaded BLUE, SJI requires all rows of bridging to be bolted diagonal with the two rows nearest to the third points completely installed prior to releasing the hoisting cables.

Where the joist designation is shaded GRAY, SJI requires all rows of bridging to be bolted diagonal completely installed prior to releasing the hoisting cables.

LRFD vs. ASD DESIGN EXAMPLE

For most joist applications, the designer can potentially select a more economical joist by specifying LRFD load combinations.

For example: Given Joist with a 50'-0" span where Dead Load = 20 psf, and Live Load = 30 psf. Spacing between Joists is 6'-0" (roof application). The required Dead Load = 20 psf x 6 ft. = 120 plf, and the required Live Load = 30 psf x 6 ft. = 180 plf.

LRFD Load Case:
Using LRFD load case, the required factored load capacity for the joist is (1.2 x DL + 1.6 x LL) = (1.2 x 120 plf + 1.6 x 180 plf) = 432 plf. Page 32 of the Economical Joist Guide shows that for 50 ft. joist span the designer should choose a joist with LRFD load capacity of 436 plf. The table also shows that the service LL capacity for deflection of 1/240 of span (typical for roof application) is 249 plf > 180 plf (required service LL). The most economical joist under LRFD load case is a 30K10 (joist weight = 11.8 plf).

ASD Load Case:
Using ASD load case, the required service load capacity for the joist is (DL + LL) = (120 plf + 180 plf) = 300 plf. Page 32 of the Economical Joist Guide shows that for 50 ft. joist span the designer should choose a joist with ASD load capacity of 338 plf. The most economical joist under ASD load case is a 36LH07 (joist weight = 13.0 plf).

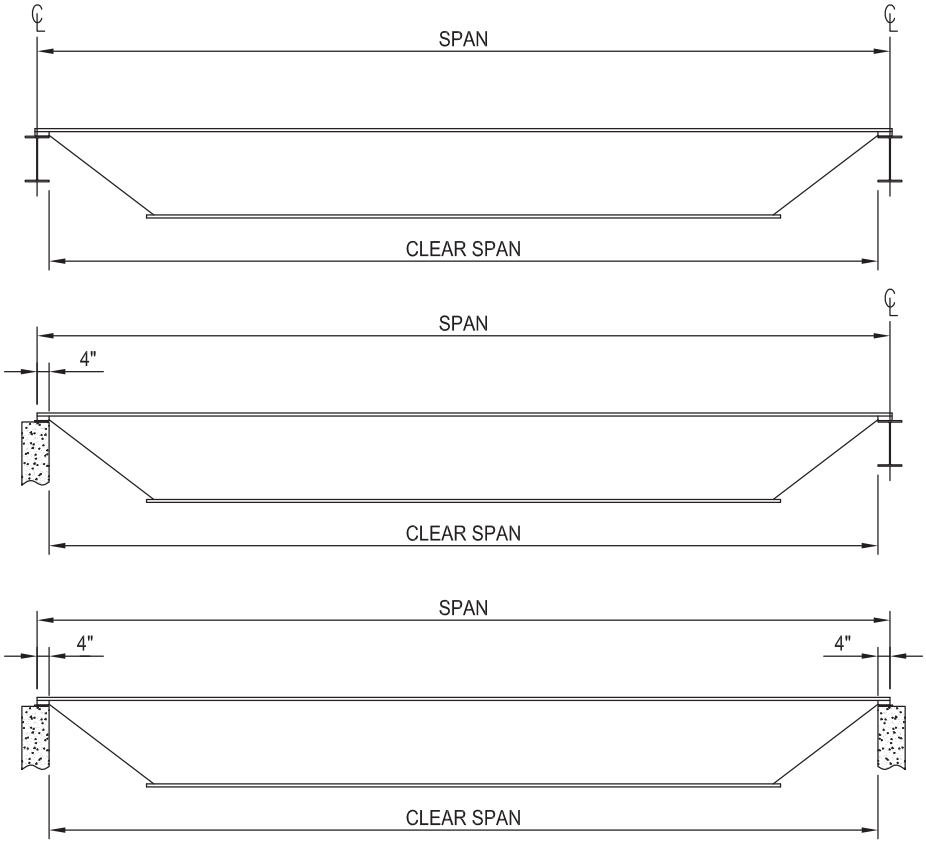
The designer should note that a more economical joist design can be selected using LRFD load case.

This condition is also true when using the published SJI Load Tables. Consider the previous example, where the maximum joist depth is 30 inches. Based on the LRFD SJI Load Table page 64, the 30K10 with a factored-load capacity of 436 plf > 432 plf (required factored TL) is selected. Based on the ASD SJI Load Table page 83, the 30K10 only has a service-load capacity of 291 plf < 300 plf (required TL) therefore the heavier 30K11 with a service-load capacity of 333 plf > 300 plf (required TL) is selected.

Again, it is shown that the LRFD load case can potentially allow the designer to select a more economical joist design.

DEFINITION OF SPAN

K-SERIES



LH, DLH-SERIES

SPAN = CLEAR SPAN + 12"

Notes:

1. Design Length = Span – 4".
2. Parallel chord joists installed to a slope greater than 1/2" per foot shall use Span defined by the length along the slope.

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
10	F 825	550	550	550	10K1	4.6
11	F 825	550	550	542	10K1	4.5
12	F 825	550	550	550	12K1	5.0
13	F 718	479	479	363	10K1	5.1
	F 825	550	550	510	12K1	5.2
14	F 618	412	412	289	10K1	4.5
	F 750	500	500	425	12K1	5.1
	F 825	550	550	463	12K3	5.3
15	F 537	358	351	234	10K1	4.6
	F 651	434	434	344	12K1	5.1
	F 814	543	543	428	12K3	5.5
	F 825	550	550	434	12K5	5.7
16	F 469	313	288	192	10K1	4.5
	F 570	380	380	282	12K1	4.7
	F 714	476	476	351	12K3	5.3
	F 825	550	550	467	14K3	5.9
17	F 415	277	238	159	10K1	4.5
	F 504	336	336	234	12K1	4.7
	F 630	420	420	291	12K3	5.4
	F 768	512	512	488	16K2	5.8
	F 825	550	550	526	16K3	6.4
18	F 369	246	201	134	10K1	4.5
	F 448	299	295	197	12K1	4.6
	F 561	374	367	245	12K3	5.3
	F 661	441	441	339	14K3	5.6
	F 684	456	456	409	16K2	6.1
	F 825	550	550	550	18K3	5.9
19	F 331	221	169	113	10K1	4.5
	F 402	268	250	167	12K1	4.6
	F 472	315	315	230	14K1	4.9
	F 502	335	310	207	12K3	5.3
	F 612	408	408	347	16K2	5.6
	F 771	514	514	494	18K3	5.8
	F 825	550	550	523	18K4	6.4
20	F 298	199	145	97	10K1	4.6
	F 361	241	213	142	12K1	4.7
	F 426	284	284	197	14K1	4.9
	F 453	302	265	177	12K3	5.4
	F 534	356	356	246	14K3	5.7
	F 552	368	368	297	16K2	5.8
	F 694	463	463	423	18K3	5.9
	F 775	517	517	517	20K3	6.4
	F 825	550	550	550	20K4	6.4
21	F 327	218	184	123	12K1	4.6
	F 385	257	255	170	14K1	4.8
	F 409	273	229	153	12K3	5.3
	F 483	322	318	212	14K3	5.5
	F 499	333	333	255	16K2	5.7
	F 556	371	371	285	16K3	5.9
	F 630	420	420	364	18K3	6.1
	F 702	468	468	453	20K3	6.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
21 (cont.)	F 759	506	506	426	18K4	6.9
	F 825	550	550	520	20K4	7.2
22	F 298	199	159	106	12K1	4.7
	F 351	234	220	147	14K1	4.9
	F 373	249	198	132	12K3	5.4
	F 439	293	276	184	14K3	5.5
	F 454	303	303	222	16K2	5.8
	F 505	337	337	247	16K3	6.0
	F 573	382	382	316	18K3	6.2
	F 639	426	426	393	20K3	6.0
	F 690	460	460	370	18K4	6.6
	F 777	518	518	414	18K5	7.2
	F 825	550	550	490	20K5	7.7
	F 831	554	554	439	18LH02	8.1
	F 921	614	614	488	18LH03	8.7
	F 1072	715	715	566	18LH04	9.8
	F 1212	808	808	637	18LH05	11.3
	F 1432	955	955	738	18LH06	13.2
	F 1488	992	992	776	18LH07	13.3
	F 1551	1034	1034	810	18LH08	14.0
	F 1662	1108	1108	864	18LH09	14.7
23	F 271	181	139	93	12K1	4.7
	F 321	214	192	128	14K1	4.8
	F 340	227	174	116	12K3	5.2
	F 402	268	240	160	14K3	5.4
	F 415	277	277	194	16K2	5.7
	F 462	308	308	216	16K3	5.9
	F 583	389	389	344	20K3	6.0
	F 630	420	420	323	18K4	6.5
	F 703	469	469	402	20K4	6.7
	F 777	518	518	491	22K4	7.0
	F 793	529	529	451	20K5	7.5
	F 825	550	550	468	20K6	7.5
	F 972	648	648	549	20LH04	9.3
	F 1045	697	697	589	20LH05	10.3
	F 1158	772	772	582	18LH05	11.4
	F 1396	931	931	777	20LH06	13.2
	F 1489	993	993	830	20LH07	13.3
	F 1534	1023	1023	858	20LH08	14.0
	F 1680	1120	1120	935	20LH09	14.9
	F 1813	1209	1209	1008	20LH10	15.7
24	F 249	166	121	81	12K1	4.7
	F 294	196	169	113	14K1	4.8
	F 312	208	151	101	12K3	5.3
	F 367	245	211	141	14K3	5.5
	F 381	254	254	170	16K2	5.8
	F 424	283	283	189	16K3	6.0
	F 535	357	357	302	20K3	5.9
	F 577	385	385	284	18K4	6.5
	F 645	430	430	353	20K4	6.7
	F 712	475	475	431	22K4	6.9

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
24 (cont.)	F 727	485	485	396	20K5	7.2
	F 780	520	520	516	24K4	7.3
	F 804	536	536	483	22K5	7.5
	F 825	550	550	544	24K5	7.8
	F 931	621	621	503	20LH04	9.4
	F 1002	668	668	540	20LH05	9.9
	F 1108	739	739	534	18LH05	11.7
	F 1336	891	891	713	20LH06	13.2
	F 1426	951	951	761	20LH07	14.0
	F 1470	980	980	787	20LH08	14.0
	F 1609	1073	1073	857	20LH09	15.6
	F 1737	1158	1158	924	20LH10	16.2
25	F 270	180	150	100	14K1	4.9
	F 351	234	225	150	16K2	5.7
	F 390	260	250	167	16K3	5.9
	F 441	294	294	214	18K3	6.3
	F 532	355	355	250	18K4	6.4
	F 594	396	396	312	20K4	6.6
	F 657	438	438	381	22K4	6.8
	F 669	446	446	350	20K5	7.2
	F 718	479	479	456	24K4	7.4
	F 739	493	493	427	22K5	7.5
	F 825	550	550	474	22K7	8.2
	F 894	596	596	463	20LH04	10.0
	F 960	640	640	497	20LH05	10.3
	F 1063	709	709	492	18LH05	11.7
	F 1282	855	855	656	20LH06	13.4
	F 1368	912	912	701	20LH07	14.3
	F 1410	940	940	724	20LH08	14.9
	F 1545	1030	1030	789	20LH09	15.6
	F 1666	1111	1111	851	20LH10	17.1
26	F 249	166	132	88	14K1	4.8
	F 313	209	165	110	14K3	5.5
	F 324	216	199	133	16K2	5.8
	F 408	272	272	190	18K3	5.9
	F 456	304	304	236	20K3	6.4
	F 492	328	328	222	18K4	6.5
	F 549	366	366	277	20K4	6.7
	F 606	404	404	338	22K4	7.0
	F 618	412	412	310	20K5	7.2
	F 663	442	442	405	24K4	7.3
	F 682	455	455	379	22K5	7.5
	F 744	496	496	411	22K6	7.9
	F 748	499	499	453	24K5	7.9
	F 750	500	500	373	20K7	8.4
	F 825	550	550	454	22K7	8.5
	F 861	574	574	428	20LH04	9.8
	F 924	616	616	459	20LH05	10.9
	F 1026	684	681	454	18LH05	13.0
	F 1233	822	822	606	20LH06	14.1
	F 1260	840	829	553	18LH07	14.6

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
26 (cont.)	F 1317	878	878	647	20LH07	14.8
	F 1362	908	908	669	20LH08	14.9
	F 1485	990	990	729	20LH09	16.2
	F 1602	1068	1068	786	20LH10	17.1
27	F 231	154	118	79	14K1	4.9
	F 300	200	178	119	16K2	5.7
	F 334	223	198	132	16K3	5.9
	F 378	252	252	169	18K3	6.3
	F 454	303	297	198	18K4	6.5
	F 508	339	339	247	20K4	6.6
	F 561	374	374	301	22K4	6.7
	F 573	382	382	277	20K5	7.3
	F 615	410	410	361	24K4	7.5
	F 633	422	422	337	22K5	7.3
	F 693	462	462	404	24K5	8.1
	F 754	503	503	439	24K6	8.8
	F 768	512	512	406	22K7	9.0
	F 820	547	547	519	26K6	9.6
	F 825	550	550	479	24K7	9.7
	F 849	566	566	406	20LH04	10.0
	F 913	609	609	437	20LH05	11.3
	F 972	648	621	414	18LH05	12.9
	F 1186	791	791	561	20LH06	14.0
	F 1267	845	845	599	20LH07	14.6
	F 1309	873	873	619	20LH08	15.3
	F 1429	953	953	675	20LH09	16.2
	F 1542	1028	1028	724	20LH10	17.6
28	F 214	143	105	70	14K1	4.8
	F 270	180	132	88	14K3	5.4
	F 279	186	159	106	16K2	5.7
	F 310	207	177	118	16K3	5.9
	F 351	234	226	151	18K3	6.0
	F 423	282	265	177	18K4	6.4
	F 472	315	315	221	20K4	6.5
	F 522	348	348	270	22K4	6.7
	F 571	381	381	323	24K4	6.8
	F 588	392	392	302	22K5	7.3
	F 643	429	429	362	24K5	7.6
	F 700	467	467	393	24K6	8.2
	F 712	475	475	364	22K7	8.5
	F 781	521	521	436	24K7	9.2
	F 825	550	550	456	24K8	9.6
	F 837	558	558	386	20LH04	11.2
	F 903	602	602	416	20LH05	11.6
	F 921	614	567	378	18LH05	12.9
	F 1144	763	763	521	20LH06	14.5
	F 1221	814	814	556	20LH07	15.3
	F 1263	842	842	575	20LH08	16.0
	F 1377	918	918	626	20LH09	16.7
	F 1486	991	991	673	20LH10	18.8

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
29	F 259	173	142	95	16K2	5.7
	F 289	193	159	106	16K3	5.8
	F 327	218	204	136	18K3	6.1
	F 394	263	238	159	18K4	6.4
	F 439	293	293	199	20K4	6.4
	F 486	324	324	242	22K4	6.5
	F 531	354	354	290	24K4	6.7
	F 547	365	365	272	22K5	7.2
	F 600	400	400	325	24K5	7.3
	F 651	434	434	384	26K5	7.6
	F 652	435	435	354	24K6	7.8
	F 709	473	473	417	26K6	8.3
	F 727	485	485	392	24K7	8.8
	F 738	492	492	397	24LH04	9.3
	F 766	511	511	486	28K6	9.0
	F 804	536	536	429	24K8	9.4
	F 825	550	550	479	26K8	9.3
	F 1062	708	708	567	24LH06	12.8
	F 1167	778	778	623	24LH07	14.3
	F 1245	830	830	662	24LH08	14.3
	F 1465	977	977	775	24LH09	16.9
	F 1548	1032	1032	822	24LH10	18.1
	F 1632	1088	1088	861	24LH11	18.9
30	F 241	161	129	86	16K2	5.8
	F 304	203	184	123	18K3	6.0
	F 367	245	216	144	18K4	6.4
	F 411	274	268	179	20K4	6.5
	F 453	302	302	219	22K4	6.5
	F 496	331	331	262	24K4	6.7
	F 511	341	341	245	22K5	7.2
	F 559	373	373	293	24K5	7.3
	F 607	405	405	346	26K5	7.6
	F 609	406	406	319	24K6	7.8
	F 619	413	413	295	22K7	8.3
	F 661	441	441	377	26K6	8.5
	F 679	453	453	353	24K7	8.7
	F 715	477	477	439	28K6	8.7
	F 750	500	500	387	24K8	9.4
	F 796	531	531	486	28K7	9.3
	F 816	544	544	457	26K8	9.7
	F 825	550	550	459	26K9	9.9
	F 856	571	549	366	20LH05	13.0
	F 1026	684	684	529	24LH06	13.4
	F 1128	752	752	582	24LH07	14.2
	F 1203	802	802	618	24LH08	15.4
	F 1416	944	944	724	24LH09	17.2
	F 1497	998	998	768	24LH10	18.6
	F 1578	1052	1052	804	24LH11	19.7
31	F 226	151	117	78	16K2	5.6
	F 252	168	130	87	16K3	5.9
	F 285	190	166	111	18K3	6.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
31 (cont.)	F 384	256	243	162	20K4	6.5
	F 424	283	283	198	22K4	6.6
	F 465	310	310	237	24K4	6.7
	F 478	319	319	222	22K5	7.3
	F 523	349	349	266	24K5	7.3
	F 568	379	379	314	26K5	7.7
	F 570	380	380	289	24K6	7.8
	F 619	413	413	341	26K6	8.0
	F 636	424	424	320	24K7	8.7
	F 669	446	446	397	28K6	8.6
	F 690	460	460	378	26K7	8.9
	F 702	468	468	350	24K8	9.4
	F 763	509	509	413	26K8	9.7
	F 765	510	510	379	24K9	10.1
	F 801	534	534	508	30K7	10.1
	F 825	550	550	444	26K9	10.3
	F 993	662	662	495	24LH06	13.3
	F 1090	727	727	545	24LH07	14.8
	F 1164	776	776	578	24LH08	15.6
	F 1369	913	913	677	24LH09	17.9
	F 1447	965	965	718	24LH10	18.6
	F 1525	1017	1017	752	24LH11	19.6
32	F 213	142	106	71	16K2	5.6
	F 237	158	118	79	16K3	6.0
	F 267	178	151	101	18K3	6.0
	F 298	199	189	126	20K3	6.5
	F 322	215	177	118	18K4	6.5
	F 360	240	220	147	20K4	6.5
	F 397	265	265	180	22K4	6.7
	F 435	290	290	215	24K4	6.8
	F 448	299	299	201	22K5	7.3
	F 490	327	327	241	24K5	7.4
	F 534	356	356	285	26K5	7.5
	F 544	363	363	266	24LH03	8.2
	F 580	387	387	309	26K6	8.2
	F 627	418	418	361	28K6	8.9
	F 648	432	432	343	26K7	9.3
	F 667	445	445	326	24LH04	9.8
	F 699	466	466	400	28K7	9.9
	F 751	501	501	461	30K7	10.2
	F 778	519	519	407	26K9	10.5
	F 823	549	549	431	26K10	11.2
	F 961	641	641	465	24LH06	13.9
	F 1056	704	704	511	24LH07	14.6
	F 1126	751	751	543	24LH08	15.4
	F 1326	884	884	635	24LH09	18.4
	F 1402	935	935	674	24LH10	18.9
	F 1477	985	985	705	24LH11	20.4
33	F 252	168	138	92	18K3	6.1
	F 303	202	162	108	18K4	6.4
	F 339	226	201	134	20K4	6.5

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Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
33 (cont.)	F 373	249	246	164	22K4	6.6
	F 409	273	273	196	24K4	6.7
	F 421	281	274	183	22K5	7.2
	F 462	308	308	220	24K5	7.4
	F 501	334	334	259	26K5	7.5
	F 502	335	335	239	24K6	7.9
	F 546	364	364	282	26K6	8.0
	F 559	373	373	265	24K7	8.5
	F 589	393	393	329	28K6	8.4
	F 609	406	406	312	26K7	8.6
	F 619	413	413	289	24K8	9.4
	F 672	448	448	342	26K8	9.7
	F 726	484	484	399	28K8	9.8
	F 780	520	520	460	30K8	10.2
	F 798	532	532	468	30K9	10.2
	F 931	621	621	437	24LH06	13.9
	F 1024	683	683	480	24LH07	15.4
	F 1092	728	728	510	24LH08	16.0
	F 1285	857	857	597	24LH09	18.8
	F 1359	906	906	633	24LH10	20.3
	F 1432	955	955	663	24LH11	21.1
34	F 237	158	126	84	18K3	6.0
	F 285	190	147	98	18K4	6.5
	F 318	212	183	122	20K4	6.5
	F 352	235	223	149	22K4	6.6
	F 385	257	257	179	24K4	6.6
	F 397	265	250	167	22K5	7.2
	F 435	290	290	201	24K5	7.3
	F 472	315	315	237	26K5	7.4
	F 514	343	343	257	26K6	7.9
	F 555	370	370	300	28K6	8.1
	F 573	382	382	285	26K7	8.8
	F 618	412	412	333	28K7	8.7
	F 633	422	422	312	26K8	9.5
	F 684	456	456	364	28K8	9.8
	F 735	490	490	420	30K8	10.3
	F 774	516	516	441	30K9	10.3
	F 828	552	552	443	28LH06	12.4
	F 906	604	604	411	24LH06	14.4
	F 936	624	624	499	28LH07	14.8
	F 1002	668	668	533	28LH08	14.4
	F 1060	707	707	480	24LH08	16.1
	F 1234	823	823	656	28LH09	17.4
	F 1248	832	832	562	24LH09	18.7
	F 1350	900	900	714	28LH10	18.6
	F 1447	965	965	763	28LH11	19.8
	F 1590	1060	1060	835	28LH12	21.2
	F 1657	1105	1105	872	28LH13	21.8
35	F 223	149	115	77	18K3	6.1
	F 300	200	168	112	20K4	6.5
	F 331	221	205	137	22K4	6.6

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
35 (cont.)	F 363	242	242	164	24K4	6.7
	F 373	249	229	153	22K5	7.2
	F 409	273	273	184	24K5	7.2
	F 445	297	297	217	26K5	7.4
	F 484	323	323	236	26K6	7.9
	F 523	349	349	275	28K6	8.0
	F 540	360	360	261	26K7	8.5
	F 583	389	389	305	28K7	9.0
	F 597	398	398	286	26K8	9.5
	F 627	418	418	351	30K7	9.5
	F 645	430	430	333	28K8	9.7
	F 693	462	462	384	30K8	9.9
	F 702	468	468	361	28K9	10.4
	F 751	501	501	389	28K10	10.6
	F 804	536	536	417	28LH06	12.8
	F 909	606	606	471	28LH07	14.2
	F 973	649	649	503	28LH08	14.3
	F 1015	677	670	447	24LH08	16.4
	F 1198	799	799	618	28LH09	17.4
	F 1311	874	874	673	28LH10	19.5
	F 1405	937	937	719	28LH11	19.5
	F 1545	1030	1030	787	28LH12	21.8
	F 1609	1073	1073	822	28LH13	22.9
36	F 211	141	105	70	18K3	6.0
	F 235	157	132	88	20K3	6.2
	F 253	169	123	82	18K4	6.5
	F 313	209	189	126	22K4	6.6
	F 343	229	225	150	24K4	6.8
	F 354	236	211	141	22K5	7.3
	F 387	258	253	169	24K5	7.3
	F 420	280	280	199	26K5	7.4
	F 421	281	274	183	24K6	7.9
	F 457	305	305	216	26K6	7.9
	F 495	330	330	252	28K6	8.1
	F 510	340	340	240	26K7	8.5
	F 550	367	367	280	28K7	8.7
	F 592	395	395	323	30K7	9.3
	F 609	406	406	306	28K8	9.6
	F 654	436	436	353	30K8	9.8
	F 663	442	442	332	28K9	10.3
	F 712	475	475	383	30K9	10.7
	F 730	487	487	392	30K10	11.0
	F 781	521	521	394	28LH06	12.7
	F 883	589	589	445	28LH07	14.1
	F 946	631	631	475	28LH08	15.0
	F 973	649	624	416	24LH08	16.1
	F 1165	777	777	584	28LH09	18.0
	F 1273	849	849	636	28LH10	19.4
	F 1366	911	911	680	28LH11	20.8
	F 1501	1001	1001	744	28LH12	22.6
	F 1564	1043	1043	777	28LH13	23.5

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
37	F 268	179	142	95	20K4	6.5
	F 297	198	174	116	22K4	6.6
	F 324	216	207	138	24K4	6.8
	F 334	223	195	130	22K5	7.2
	F 366	244	232	155	24K5	7.2
	F 397	265	265	183	26K5	7.4
	F 399	266	253	169	24K6	7.8
	F 433	289	289	199	26K6	7.9
	F 468	312	312	232	28K6	8.1
	F 522	348	348	257	28K7	8.9
	F 559	373	373	297	30K7	9.1
	F 576	384	384	282	28K8	9.7
	F 619	413	413	325	30K8	9.9
	F 627	418	418	305	28K9	10.5
	F 673	449	449	352	30K9	10.7
	F 690	460	460	308	26K10	11.6
	F 711	474	474	374	30K10	11.6
	F 760	507	507	373	28LH06	12.5
	F 859	573	573	421	28LH07	14.0
	F 882	588	550	367	24LH07	16.0
	F 921	614	614	449	28LH08	15.7
	F 933	622	582	388	24LH08	16.1
	F 1132	755	755	553	28LH09	18.4
	F 1239	826	826	602	28LH10	20.5
	F 1329	886	886	643	28LH11	20.8
	F 1461	974	974	704	28LH12	23.3
	F 1521	1014	1014	735	28LH13	23.9
38	F 211	141	111	74	20K3	6.2
	F 255	170	130	87	20K4	6.5
	F 280	187	160	107	22K4	6.6
	F 307	205	192	128	24K4	6.6
	F 316	211	178	119	22K5	7.2
	F 346	231	214	143	24K5	7.3
	F 376	251	251	169	26K5	7.4
	F 378	252	234	156	24K6	7.8
	F 411	274	274	184	26K6	7.9
	F 444	296	296	214	28K6	8.1
	F 457	305	305	204	26K7	8.5
	F 465	310	283	189	24K8	9.1
	F 493	329	329	237	28K7	8.7
	F 531	354	354	274	30K7	8.9
	F 546	364	364	260	28K8	9.4
	F 558	372	372	268	28LH05	10.0
	F 586	391	391	300	30K8	9.9
	F 594	396	396	282	28K9	10.4
	F 639	426	426	325	30K9	10.6
	F 654	436	426	284	26K10	11.6
	F 691	461	461	353	30K10	11.7
	F 741	494	494	354	28LH06	13.3
	F 756	504	459	306	24LH06	14.4
	F 835	557	557	399	28LH07	14.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
38 (cont.)	F 895	597	597	426	28LH08	15.5
	F 1102	735	735	524	28LH09	18.8
	F 1206	804	804	570	28LH10	20.4
	F 1294	863	863	609	28LH11	21.3
	F 1422	948	948	667	28LH12	23.0
	F 1482	988	988	696	28LH13	23.9
39	F 199	133	103	69	20K3	6.3
	F 241	161	121	81	20K4	6.5
	F 267	178	147	98	22K4	6.6
	F 292	195	177	118	24K4	6.6
	F 300	200	165	110	22K5	7.2
	F 328	219	198	132	24K5	7.3
	F 357	238	234	156	26K5	7.4
	F 358	239	216	144	24K6	7.8
	F 390	260	255	170	26K6	7.9
	F 420	280	280	198	28K6	8.0
	F 433	289	282	188	26K7	8.5
	F 469	313	313	219	28K7	8.6
	F 480	320	309	206	26K8	9.2
	F 504	336	336	253	30K7	9.1
	F 519	346	346	240	28K8	9.6
	F 556	371	371	277	30K8	9.7
	F 564	376	376	260	28K9	10.3
	F 606	404	404	300	30K9	10.4
	F 619	413	393	262	26K10	11.5
	F 670	447	447	306	28K10	11.7
	F 673	449	449	308	28K12	11.7
	F 729	486	486	388	32LH07	12.5
	F 792	528	528	421	32LH08	13.7
	F 814	543	543	379	28LH07	15.3
	F 873	582	582	404	28LH08	15.4
	F 993	662	662	526	32LH09	16.5
	F 1098	732	732	581	32LH10	18.0
	F 1203	802	802	635	32LH11	19.6
	F 1260	840	840	578	28LH11	22.0
	F 1411	941	941	742	32LH12	22.5
	F 1443	962	962	661	28LH13	23.8
	F 1575	1050	1050	825	32LH13	24.7
	F 1621	1081	1081	850	32LH14	25.9
	F 1675	1117	1117	878	32LH15	26.9
40	F 190	127	96	64	20K3	6.2
	F 253	169	136	91	22K4	6.6
	F 277	185	163	109	24K4	6.6
	F 285	190	153	102	22K5	7.2
	F 312	208	183	122	24K5	7.3
	F 340	227	217	145	26K5	7.3
	F 370	247	235	157	26K6	8.0
	F 399	266	266	183	28K6	8.1
	F 412	275	261	174	26K7	8.5
	F 445	297	297	203	28K7	8.6
	F 456	304	286	191	26K8	9.1

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
40 (cont.)	F 478	319	319	234	30K7	9.0
	F 492	328	328	222	28K8	9.5
	F 529	353	353	256	30K8	9.7
	F 535	357	357	241	28K9	10.2
	F 576	384	384	278	30K9	10.4
	F 589	393	364	243	26K10	11.6
	F 636	424	424	284	28K10	11.7
	F 657	438	438	315	30K10	11.8
	F 711	474	474	368	32LH07	12.9
	F 771	514	514	400	32LH08	14.2
	F 793	529	529	360	28LH07	15.4
	F 850	567	567	384	28LH08	15.4
	F 967	645	645	500	32LH09	16.3
	F 1069	713	713	552	32LH10	17.8
	F 1171	781	781	604	32LH11	19.8
	F 1228	819	819	549	28LH11	21.5
	F 1377	918	918	705	32LH12	23.0
	F 1534	1023	1023	784	32LH13	24.4
	F 1581	1054	1054	807	32LH14	25.8
	F 1633	1089	1089	834	32LH15	26.9
41	F 241	161	127	85	22K4	6.6
	F 264	176	151	101	24K4	6.7
	F 271	181	142	95	22K5	7.2
	F 297	198	171	114	24K5	7.3
	F 322	215	201	134	26K5	7.4
	F 324	216	186	124	24K6	7.8
	F 352	235	219	146	26K6	8.0
	F 379	253	253	170	28K6	8.1
	F 393	262	243	162	26K7	8.5
	F 424	283	283	189	28K7	8.6
	F 454	303	303	217	30K7	8.7
	F 468	312	309	206	28K8	9.5
	F 502	335	335	238	30K8	9.7
	F 510	340	336	224	28K9	10.2
	F 547	365	365	258	30K9	10.3
	F 561	374	337	225	26K10	11.6
	F 606	404	394	263	28K10	11.7
	F 616	411	411	315	32LH06	11.6
	F 640	427	427	300	30K10	11.8
	F 693	462	462	351	32LH07	12.8
	F 753	502	502	380	32LH08	14.3
	F 774	516	513	342	28LH07	15.5
	F 829	553	547	365	28LH08	16.4
	F 943	629	629	476	32LH09	16.9
	F 1044	696	696	525	32LH10	19.2
	F 1143	762	762	574	32LH11	20.3
	F 1342	895	895	671	32LH12	22.9
	F 1372	915	895	597	28LH13	25.3
	F 1497	998	998	746	32LH13	25.6
	F 1542	1028	1028	768	32LH14	26.5
	F 1593	1062	1062	794	32LH15	26.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
42	F 229	153	118	79	22K4	6.6
	F 252	168	141	94	24K4	6.6
	F 259	173	132	88	22K5	7.2
	F 283	189	159	106	24K5	7.3
	F 307	205	187	125	26K5	7.4
	F 309	206	172	115	24K6	7.8
	F 336	224	204	136	26K6	7.9
	F 361	241	237	158	28K6	8.0
	F 373	249	225	150	26K7	8.5
	F 403	269	262	175	28K7	8.5
	F 433	289	289	202	30K7	8.9
	F 445	297	288	192	28K8	9.4
	F 480	320	320	221	30K8	9.5
	F 486	324	312	208	28K9	10.2
	F 522	348	348	240	30K9	10.4
	F 576	384	367	245	28K10	11.6
	F 601	401	401	300	32LH06	12.1
	F 619	413	413	282	30K10	12.2
	F 676	451	451	334	32LH07	12.7
	F 735	490	490	362	32LH08	14.2
	F 757	505	489	326	28LH07	15.5
	F 810	540	522	348	28LH08	16.4
	F 921	614	614	453	32LH09	16.8
	F 1018	679	679	500	32LH10	19.1
	F 1116	744	744	547	32LH11	20.8
	F 1170	780	747	498	28LH11	23.2
	F 1311	874	874	639	32LH12	24.2
	F 1461	974	974	710	32LH13	26.5
	F 1504	1003	1003	732	32LH14	26.5
	F 1555	1037	1037	756	32LH15	26.5
43	F 219	146	109	73	22K4	6.6
	F 240	160	132	88	24K4	6.6
	F 247	165	123	82	22K5	7.2
	F 270	180	147	98	24K5	7.2
	F 294	196	174	116	26K5	7.4
	F 319	213	189	126	26K6	7.9
	F 345	230	220	147	28K6	8.1
	F 357	238	210	140	26K7	8.6
	F 385	257	244	163	28K7	8.7
	F 414	276	276	188	30K7	8.8
	F 426	284	268	179	28K8	9.2
	F 457	305	305	206	30K8	9.7
	F 463	309	291	194	28K9	10.3
	F 498	332	332	223	30K9	10.4
	F 508	339	292	195	26K10	11.6
	F 550	367	342	228	28K10	11.7
	F 591	394	394	263	30K10	11.8
	F 610	407	405	270	30K11	12.5
	F 651	434	434	354	36LH08	12.6
	F 661	441	441	318	32LH07	13.8
	F 717	478	478	346	32LH08	14.2

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
43 (cont.)	F 726	484	457	305	28LH07	15.5
	F 832	555	555	451	36LH09	15.4
	F 918	612	612	499	36LH10	16.7
	F 1002	668	668	543	36LH11	18.2
	F 1090	727	727	522	32LH11	20.7
	F 1198	799	799	647	36LH12	21.2
	F 1279	853	853	610	32LH12	24.1
	F 1410	940	940	758	36LH13	23.9
	F 1426	951	951	678	32LH13	26.5
	F 1470	980	980	698	32LH14	26.5
	F 1554	1036	1036	833	36LH14	26.9
	F 1638	1092	1092	877	36LH15	28.4
44	F 208	139	102	68	22K4	6.6
	F 229	153	123	82	24K4	6.6
	F 235	157	114	76	22K5	7.1
	F 258	172	138	92	24K5	7.3
	F 280	187	162	108	26K5	7.4
	F 306	204	177	118	26K6	7.9
	F 330	220	205	137	28K6	8.0
	F 340	227	196	131	26K7	8.6
	F 367	245	228	152	28K7	8.7
	F 394	263	263	176	30K7	8.8
	F 406	271	250	167	28K8	9.3
	F 436	291	288	192	30K8	9.7
	F 442	295	271	181	28K9	10.2
	F 475	317	312	208	30K9	10.4
	F 486	324	273	182	26K10	11.5
	F 525	350	318	212	28K10	11.6
	F 564	376	367	245	30K10	11.7
	F 577	385	385	309	36LH07	11.4
	F 636	424	424	338	36LH08	12.7
	F 646	431	431	304	32LH07	14.0
	F 700	467	467	330	32LH08	14.5
	F 814	543	543	431	36LH09	15.3
	F 897	598	598	476	36LH10	16.6
	F 979	653	653	518	36LH11	18.3
	F 1065	710	710	498	32LH11	20.6
	F 1171	781	781	617	36LH12	21.7
	F 1251	834	834	582	32LH12	24.0
	F 1377	918	918	724	36LH13	24.6
	F 1395	930	930	647	32LH13	26.4
	F 1435	957	957	666	32LH14	27.4
	F 1518	1012	1012	795	36LH14	26.9
	F 1600	1067	1067	837	36LH15	28.8
45	F 219	146	114	76	24K4	6.7
	F 246	164	129	86	24K5	7.3
	F 268	179	151	101	26K5	7.4
	F 291	194	165	110	26K6	7.9
	F 315	210	192	128	28K6	8.0
	F 325	217	183	122	26K7	8.6
	F 351	234	213	142	28K7	8.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
45 (cont.)	F 376	251	246	164	30K7	8.7
	F 388	259	234	156	28K8	9.3
	F 417	278	268	179	30K8	9.4
	F 423	282	253	169	28K9	10.2
	F 454	303	292	195	30K9	10.4
	F 465	310	255	170	26K10	11.6
	F 501	334	297	198	28K10	11.7
	F 538	359	343	229	30K10	11.8
	F 564	376	376	295	36LH07	12.2
	F 583	389	369	246	30K11	13.2
	F 621	414	414	323	36LH08	13.0
	F 631	421	421	291	32LH07	14.3
	F 685	457	457	315	32LH08	15.0
	F 712	475	427	285	28LH08	16.0
	F 796	531	531	412	36LH09	15.7
	F 876	584	584	455	36LH10	16.7
	F 957	638	638	495	36LH11	18.2
	F 1041	694	694	476	32LH11	20.8
	F 1144	763	763	590	36LH12	21.7
	F 1222	815	815	556	32LH12	23.9
	F 1347	898	898	692	36LH13	25.7
	F 1363	909	909	618	32LH13	27.3
	F 1483	989	989	760	36LH14	26.9
	F 1564	1043	1043	800	36LH15	29.8
46	F 208	139	106	71	24K4	6.6
	F 235	157	120	80	24K5	7.2
	F 256	171	142	95	26K5	7.4
	F 279	186	154	103	26K6	7.9
	F 301	201	180	120	28K6	8.0
	F 336	224	199	133	28K7	8.6
	F 361	241	229	153	30K7	8.7
	F 372	248	219	146	28K8	9.2
	F 399	266	252	168	30K8	9.3
	F 405	270	237	158	28K9	10.4
	F 435	290	273	182	30K9	10.7
	F 480	320	279	186	28K10	11.6
	F 516	344	321	214	30K10	11.8
	F 552	368	368	282	36LH07	12.4
	F 607	405	405	309	36LH08	12.8
	F 618	412	412	278	32LH07	14.2
	F 640	427	376	251	28LH07	15.4
	F 670	447	447	302	32LH08	15.1
	F 684	456	402	268	28LH08	16.1
	F 778	519	519	394	36LH09	15.7
	F 856	571	571	435	36LH10	17.9
	F 936	624	624	474	36LH11	19.6
	F 1120	747	747	564	36LH12	21.6
	F 1317	878	878	662	36LH13	24.8
	F 1333	889	886	591	32LH13	28.0
	F 1452	968	968	727	36LH14	27.2
	F 1530	1020	1020	765	36LH15	29.6

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
47	F 199	133	100	67	24K4	6.6
	F 225	150	112	75	24K5	7.2
	F 246	164	133	89	26K5	7.3
	F 267	178	144	96	26K6	7.9
	F 288	192	168	112	28K6	7.9
	F 298	199	160	107	26K7	8.5
	F 321	214	187	125	28K7	8.7
	F 345	230	216	144	30K7	8.7
	F 355	237	204	136	28K8	9.3
	F 382	255	235	157	30K8	9.4
	F 387	258	222	148	28K9	10.0
	F 415	277	256	171	30K9	10.4
	F 426	284	223	149	26K10	11.6
	F 459	306	261	174	28K10	11.6
	F 493	329	301	201	30K10	11.8
	F 540	360	360	270	36LH07	12.4
	F 594	396	396	296	36LH08	13.0
	F 604	403	399	266	32LH07	14.1
	F 655	437	433	289	32LH08	14.8
	F 657	438	378	252	28LH08	16.1
	F 762	508	508	377	36LH09	15.7
	F 838	559	559	417	36LH10	17.9
	F 909	606	598	399	32LH10	20.5
	F 916	611	611	454	36LH11	20.5
	F 996	664	654	436	32LH11	22.2
	F 1096	731	731	541	36LH12	21.9
	F 1170	780	765	510	32LH12	25.2
	F 1288	859	859	634	36LH13	25.8
	F 1305	870	849	566	32LH13	27.7
	F 1420	947	947	696	36LH14	29.0
	F 1498	999	999	733	36LH15	29.5
48	F 192	128	94	63	24K4	6.6
	F 216	144	105	70	24K5	7.2
	F 235	157	124	83	26K5	7.3
	F 256	171	135	90	26K6	7.9
	F 276	184	157	105	28K6	7.9
	F 285	190	150	100	26K7	8.5
	F 309	206	175	117	28K7	8.6
	F 331	221	202	135	30K7	8.7
	F 340	227	192	128	28K8	9.3
	F 366	244	222	148	30K8	9.4
	F 370	247	208	139	28K9	10.0
	F 399	266	240	160	30K9	10.4
	F 408	272	210	140	26K10	11.5
	F 441	294	244	163	28K10	11.6
	F 472	315	282	188	30K10	11.7
	F 528	352	352	259	36LH07	12.4
	F 543	362	322	215	30K11	13.3
	F 547	365	324	216	30K12	13.3
	F 582	388	388	284	36LH08	13.7
	F 591	394	382	255	32LH07	14.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
48 (cont.)	F 642	428	415	277	32LH08	15.6
	F 685	457	457	372	40LH09	15.5
	F 745	497	497	361	36LH09	16.4
	F 754	503	503	410	40LH10	15.6
	F 825	550	550	444	40LH11	17.0
	F 897	598	598	435	36LH11	20.3
	F 1003	669	669	541	40LH12	19.9
	F 1072	715	715	518	36LH12	21.8
	F 1183	789	789	634	40LH13	23.8
	F 1261	841	841	607	36LH13	26.4
	F 1353	902	902	727	40LH14	26.2
	F 1390	927	927	667	36LH14	29.0
	F 1467	978	978	703	36LH15	29.5
	F 1513	1009	1009	810	40LH15	28.9
	F 1668	1112	1112	890	40LH16	31.6
49	F 225	150	117	78	26K5	7.3
	F 246	164	127	85	26K6	7.9
	F 265	177	148	99	28K6	8.0
	F 274	183	141	94	26K7	8.5
	F 295	197	165	110	28K7	8.7
	F 318	212	190	127	30K7	8.7
	F 327	218	180	120	28K8	9.3
	F 351	234	208	139	30K8	9.3
	F 355	237	195	130	28K9	10.0
	F 382	255	225	150	30K9	10.1
	F 391	261	196	131	26K10	11.6
	F 423	282	229	153	28K10	11.7
	F 454	303	265	177	30K10	11.8
	F 514	343	330	220	32LH06	13.1
	F 520	347	303	202	30K11	13.2
	F 535	357	310	207	30K12	13.8
	F 570	380	380	272	36LH08	14.2
	F 579	386	367	245	32LH07	14.7
	F 628	419	399	266	32LH08	15.5
	F 672	448	448	357	40LH09	15.4
	F 739	493	493	393	40LH10	16.1
	F 807	538	538	426	40LH11	17.6
	F 879	586	586	417	36LH11	20.2
	F 982	655	655	519	40LH12	20.2
	F 1051	701	701	497	36LH12	21.7
	F 1159	773	773	609	40LH13	23.8
	F 1236	824	824	583	36LH13	26.4
	F 1326	884	884	697	40LH14	26.2
	F 1362	908	908	640	36LH14	29.0
	F 1435	957	957	674	36LH15	29.3
	F 1482	988	988	777	40LH15	30.0
	F 1633	1089	1089	854	40LH16	32.4
50	F 216	144	109	73	26K5	7.3
	F 255	170	139	93	28K6	7.9
	F 262	175	133	89	26K7	8.5
	F 283	189	154	103	28K7	8.6

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
50 (cont.)	F 304	203	178	119	30K7	8.7
	F 313	209	169	113	28K8	9.3
	F 337	225	195	130	30K8	9.3
	F 342	228	184	123	28K9	9.9
	F 367	245	211	141	30K9	10.1
	F 405	270	216	144	28K10	11.7
	F 436	291	249	166	30K10	11.8
	F 507	338	338	239	36LH07	13.0
	F 525	350	298	199	30K12	14.6
	F 558	372	372	262	36LH08	14.4
	F 568	379	352	235	32LH07	14.8
	F 616	411	382	255	32LH08	15.6
	F 658	439	439	343	40LH09	15.4
	F 724	483	483	378	40LH10	16.7
	F 787	525	525	368	36LH10	18.8
	F 790	527	527	409	40LH11	18.8
	F 861	574	574	400	36LH11	19.5
	F 963	642	642	498	40LH12	19.9
	F 1030	687	687	477	36LH12	23.0
	F 1135	757	757	584	40LH13	23.7
	F 1210	807	807	559	36LH13	26.2
	F 1299	866	866	669	40LH14	26.8
	F 1335	890	890	615	36LH14	29.0
	F 1452	968	968	746	40LH15	29.7
	F 1600	1067	1067	820	40LH16	34.0
51	F 208	139	103	69	26K5	7.3
	F 226	151	112	75	26K6	7.9
	F 244	163	132	88	28K6	8.0
	F 252	168	124	83	26K7	8.5
	F 273	182	145	97	28K7	8.6
	F 292	195	168	112	30K7	8.8
	F 301	201	159	106	28K8	9.3
	F 324	216	184	123	30K8	9.5
	F 328	219	172	115	28K9	10.0
	F 352	235	199	133	30K9	10.1
	F 355	237	189	126	28LH05	11.1
	F 361	241	174	116	26K10	11.4
	F 390	260	204	136	28K10	11.7
	F 418	279	235	157	30K10	11.8
	F 498	332	332	229	36LH07	13.0
	F 507	338	262	175	28K12	14.6
	F 514	343	288	192	30K12	14.6
	F 547	365	365	251	36LH08	14.3
	F 549	366	334	223	32LH07	14.7
	F 556	371	294	196	28LH08	16.0
	F 595	397	363	242	32LH08	16.1
	F 645	430	430	329	40LH09	15.3
	F 711	474	474	363	40LH10	16.7
	F 772	515	515	354	36LH10	18.7
	F 775	517	517	393	40LH11	18.6
	F 843	562	562	385	36LH11	20.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
51 (cont.)	F 945	630	630	479	40LH12	21.0
	F 1009	673	673	459	36LH12	23.7
	F 1113	742	742	562	40LH13	24.3
	F 1273	849	849	643	40LH14	27.3
	F 1308	872	872	591	36LH14	28.9
	F 1423	949	949	717	40LH15	30.3
	F 1569	1046	1046	788	40LH16	34.0
52	F 199	133	97	65	26K5	7.3
	F 217	145	106	71	26K6	7.9
	F 235	157	124	83	28K6	8.0
	F 243	162	118	79	26K7	8.5
	F 262	175	138	92	28K7	8.6
	F 282	188	159	106	30K7	8.7
	F 289	193	150	100	28K8	9.3
	F 312	208	174	116	30K8	9.4
	F 315	210	163	109	28K9	10.0
	F 339	226	189	126	30K9	10.1
	F 342	228	178	119	28LH05	11.1
	F 346	231	165	110	26K10	11.4
	F 375	250	192	128	28K10	11.7
	F 402	268	222	148	30K10	11.8
	F 487	325	325	220	36LH07	13.0
	F 537	358	358	242	36LH08	14.1
	F 574	383	343	229	32LH08	15.5
	F 633	422	422	317	40LH09	16.0
	F 688	459	459	308	36LH09	17.2
	F 696	464	464	349	40LH10	17.5
	F 757	505	505	340	36LH10	18.9
	F 760	507	507	378	40LH11	18.5
	F 828	552	552	370	36LH11	20.8
	F 925	617	617	460	40LH12	20.9
	F 990	660	660	441	36LH12	24.4
	F 1092	728	728	540	40LH13	24.3
	F 1164	776	775	517	36LH13	27.8
	F 1248	832	832	619	40LH14	27.3
	F 1282	855	852	568	36LH14	30.7
	F 1396	931	931	690	40LH15	30.7
	F 1539	1026	1026	758	40LH16	33.8
53	F 226	151	117	78	28K6	8.0
	F 252	168	130	87	28K7	8.6
	F 271	181	150	100	30K7	8.8
	F 279	186	142	95	28K8	9.3
	F 300	200	163	109	30K8	9.4
	F 304	203	154	103	28K9	10.3
	F 327	218	178	119	30K9	10.4
	F 330	220	169	113	28LH05	11.1
	F 360	240	181	121	28K10	11.7
	F 387	258	210	140	30K10	11.7
	F 472	315	315	233	40LH08	12.6
	F 478	319	318	212	36LH07	13.4
	F 526	351	349	233	36LH08	14.3

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
53 (cont.)	F 553	369	324	216	32LH08	15.5
	F 570	380	380	309	44LH09	14.2
	F 630	420	420	340	44LH10	15.6
	F 675	450	444	296	36LH09	17.1
	F 681	454	454	368	44LH11	16.3
	F 684	456	456	336	40LH10	17.3
	F 745	497	497	364	40LH11	18.4
	F 843	562	562	454	44LH12	19.3
	F 909	606	606	443	40LH12	21.5
	F 999	666	666	538	44LH13	21.7
	F 1071	714	714	520	40LH13	24.3
	F 1150	767	767	616	44LH14	25.9
	F 1224	816	816	595	40LH14	27.9
	F 1338	892	892	716	44LH15	28.9
	F 1369	913	913	664	40LH15	30.8
	F 1509	1006	1006	729	40LH16	33.8
	F 1543	1029	1029	824	44LH16	34.3
	F 1657	1105	1105	880	44LH17	39.1
54	F 217	145	111	74	28K6	8.0
	F 243	162	123	82	28K7	8.5
	F 261	174	141	94	30K7	8.7
	F 268	179	133	89	28K8	9.3
	F 288	192	154	103	30K8	9.4
	F 292	195	145	97	28K9	10.0
	F 313	209	168	112	30K9	10.1
	F 319	213	160	107	28LH05	11.0
	F 348	232	171	114	28K10	11.7
	F 373	249	198	132	30K10	11.8
	F 427	285	225	150	30K11	13.1
	F 441	294	253	169	32LH06	13.3
	F 463	309	309	225	40LH08	12.8
	F 469	313	306	204	36LH07	13.4
	F 486	324	255	170	30K12	14.8
	F 517	345	336	224	36LH08	14.4
	F 559	373	373	298	44LH09	14.2
	F 618	412	412	328	44LH10	15.7
	F 663	442	427	285	36LH09	17.6
	F 667	445	445	354	44LH11	16.9
	F 670	447	447	323	40LH10	17.9
	F 732	488	488	350	40LH11	18.5
	F 828	552	552	437	44LH12	19.3
	F 891	594	594	427	40LH12	21.5
	F 981	654	654	518	44LH13	23.0
	F 1051	701	701	501	40LH13	24.7
	F 1129	753	753	594	44LH14	26.0
	F 1201	801	801	573	40LH14	28.9
	F 1314	876	876	690	44LH15	29.0
	F 1344	896	896	639	40LH15	31.5
	F 1482	988	988	702	40LH16	34.4
	F 1515	1010	1010	793	44LH16	34.4
	F 1626	1084	1084	848	44LH17	39.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
55	F 210	140	105	70	28K6	7.9
	F 234	156	115	77	28K7	8.6
	F 252	168	133	89	30K7	8.7
	F 259	173	127	85	28K8	9.3
	F 277	185	147	98	30K8	9.4
	F 282	188	138	92	28K9	10.0
	F 303	202	159	106	30K9	10.1
	F 309	206	153	102	28LH05	11.0
	F 334	223	162	108	28K10	11.7
	F 360	240	187	125	30K10	11.8
	F 426	284	241	161	32LH06	13.3
	F 456	304	304	216	40LH08	13.1
	F 460	307	295	197	36LH07	13.5
	F 507	338	324	216	36LH08	14.4
	F 517	345	291	194	32LH08	16.0
	F 549	366	366	287	44LH09	15.5
	F 598	399	399	283	40LH09	16.3
	F 606	404	404	316	44LH10	16.0
	F 658	439	439	312	40LH10	17.7
	F 718	479	479	338	40LH11	18.6
	F 811	541	541	421	44LH12	20.0
	F 876	584	584	411	40LH12	21.3
	F 963	642	642	499	44LH13	23.1
	F 1032	688	688	482	40LH13	25.6
	F 1108	739	739	572	44LH14	25.7
	F 1180	787	787	553	40LH14	29.0
	F 1290	860	860	665	44LH15	29.6
	F 1320	880	880	616	40LH15	31.5
	F 1453	969	969	677	40LH16	34.3
	F 1486	991	991	764	44LH16	34.3
	F 1597	1065	1065	817	44LH17	39.1
56	F 202	135	99	66	28K6	7.9
	F 226	151	109	73	28K7	8.6
	F 243	162	126	84	30K7	8.6
	F 249	166	120	80	28K8	9.2
	F 268	179	138	92	30K8	9.4
	F 271	181	130	87	28K9	10.0
	F 292	195	150	100	30K9	10.2
	F 298	199	145	97	28LH05	11.0
	F 322	215	153	102	28K10	11.5
	F 346	231	177	118	30K10	11.7
	F 412	275	229	153	32LH06	13.2
	F 447	298	298	209	40LH08	13.1
	F 453	302	285	190	36LH07	14.2
	F 462	308	255	170	32LH07	14.7
	F 498	332	312	208	36LH08	15.1
	F 499	333	276	184	32LH08	16.1
	F 538	359	359	277	44LH09	15.3
	F 588	392	392	273	40LH09	16.3
	F 595	397	397	305	44LH10	15.9
	F 643	429	429	329	44LH11	16.9

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
56 (cont.)	F 646	431	431	301	40LH10	17.7
	F 706	471	471	326	40LH11	19.4
	F 798	532	532	406	44LH12	20.0
	F 859	573	573	397	40LH12	22.3
	F 946	631	631	482	44LH13	23.5
	F 1089	726	726	552	44LH14	25.6
	F 1158	772	772	533	40LH14	29.0
	F 1266	844	844	641	44LH15	30.0
	F 1296	864	864	594	40LH15	31.9
	F 1461	974	974	737	44LH16	34.3
	F 1567	1045	1045	788	44LH17	39.4
57	F 234	156	120	80	30K7	8.7
	F 259	173	132	88	30K8	9.4
	F 282	188	142	95	30K9	10.1
	F 289	193	138	92	28LH05	11.0
	F 334	223	168	112	30K10	11.7
	F 399	266	217	145	32LH06	13.2
	F 439	293	293	201	40LH08	13.0
	F 444	296	274	183	36LH07	14.2
	F 447	298	243	162	32LH07	14.7
	F 489	326	301	201	36LH08	14.9
	F 529	353	353	267	44LH09	15.3
	F 577	385	385	263	40LH09	16.1
	F 585	390	390	294	44LH10	16.5
	F 633	422	422	318	44LH11	16.8
	F 636	424	424	290	40LH10	17.7
	F 691	461	424	283	36LH10	20.0
	F 783	522	522	392	44LH12	19.7
	F 868	579	579	474	48LH13	21.3
	F 928	619	619	465	44LH13	23.4
	F 1069	713	713	532	44LH14	25.8
	F 1138	759	759	514	40LH14	29.8
	F 1177	785	785	640	48LH15	28.2
	F 1243	829	829	619	44LH15	30.5
	F 1273	849	849	573	40LH15	32.4
	F 1357	905	905	737	48LH16	31.8
	F 1434	956	956	711	44LH16	34.0
	F 1524	1016	1016	825	48LH17	38.5
	F 1540	1027	1027	760	44LH17	39.6
58	F 226	151	114	76	30K7	8.7
	F 250	167	124	83	30K8	9.4
	F 271	181	135	90	30K9	10.1
	F 322	215	159	106	30K10	11.8
	F 385	257	207	138	32LH06	13.1
	F 432	288	288	195	40LH08	13.0
	F 438	292	265	177	36LH07	14.1
	F 481	321	291	194	36LH08	14.8
	F 520	347	347	258	44LH09	15.2
	F 567	378	378	254	40LH09	16.1
	F 574	383	383	284	44LH10	16.5
	F 621	414	414	307	44LH11	16.8

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
58 (cont.)	F 624	416	416	280	40LH10	18.6
	F 769	513	513	379	44LH12	19.6
	F 853	569	569	457	48LH13	21.4
	F 913	609	609	449	44LH13	23.3
	F 978	652	651	434	40LH13	26.6
	F 1006	671	671	539	48LH14	25.5
	F 1051	701	701	514	44LH14	26.7
	F 1119	746	745	497	40LH14	29.4
	F 1158	772	772	618	48LH15	29.0
	F 1222	815	815	597	44LH15	30.8
	F 1251	834	831	554	40LH15	32.3
	F 1335	890	890	712	48LH16	31.8
	F 1410	940	940	687	44LH16	34.7
	F 1498	999	999	796	48LH17	38.5
	F 1513	1009	1009	734	44LH17	40.4
59	F 219	146	108	72	30K7	8.7
	F 241	161	118	79	30K8	9.4
	F 262	175	129	86	30K9	10.2
	F 312	208	151	101	30K10	11.8
	F 373	249	196	131	32LH06	13.1
	F 424	283	282	188	40LH08	12.9
	F 466	311	277	185	36LH08	14.9
	F 511	341	341	249	44LH09	15.0
	F 565	377	377	274	44LH10	16.4
	F 610	407	407	296	44LH11	17.2
	F 613	409	406	271	40LH10	18.5
	F 670	447	439	293	40LH11	20.2
	F 757	505	505	366	44LH12	19.7
	F 838	559	559	442	48LH13	21.3
	F 897	598	598	434	44LH13	23.3
	F 961	641	628	419	40LH13	26.5
	F 990	660	660	521	48LH14	25.5
	F 1033	689	689	497	44LH14	26.6
	F 1099	733	720	480	40LH14	29.8
	F 1137	758	758	597	48LH15	28.9
	F 1201	801	801	577	44LH15	30.8
	F 1311	874	874	688	48LH16	31.7
	F 1386	924	924	664	44LH16	35.5
	F 1473	982	982	769	48LH17	39.3
	F 1488	992	992	710	44LH17	40.4
60	F 211	141	103	69	30K7	8.8
	F 234	156	112	75	30K8	9.5
	F 253	169	121	81	30K9	10.3
	F 301	201	144	96	30K10	11.7
	F 363	242	187	125	32LH06	13.1
	F 417	278	273	182	40LH08	13.2
	F 453	302	264	176	36LH08	14.9
	F 502	335	335	241	44LH09	15.0
	F 555	370	370	265	44LH10	16.5
	F 601	401	401	287	44LH11	17.7
	F 603	402	393	262	40LH10	18.4

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
60 (cont.)	F 658	439	424	283	40LH11	20.2
	F 688	459	459	358	48LH12	19.4
	F 744	496	496	354	44LH12	20.6
	F 825	550	550	427	48LH13	21.3
	F 882	588	588	419	44LH13	24.2
	F 945	630	607	405	40LH13	26.5
	F 973	649	649	504	48LH14	26.0
	F 1015	677	677	480	44LH14	27.4
	F 1081	721	696	464	40LH14	30.4
	F 1119	746	746	577	48LH15	28.9
	F 1182	788	788	558	44LH15	30.6
	F 1209	806	775	517	40LH15	34.2
	F 1290	860	860	665	48LH16	33.4
	F 1362	908	908	642	44LH16	35.3
	F 1462	975	975	686	44LH17	40.4
61	F 351	234	178	119	32LH06	13.2
	F 399	266	229	153	36LH07	14.2
	F 411	274	264	176	40LH08	13.9
	F 439	293	252	168	36LH08	14.9
	F 495	330	330	256	48LH10	14.9
	F 537	358	358	275	48LH11	15.7
	F 546	364	364	257	44LH10	16.7
	F 591	394	394	277	44LH11	17.9
	F 594	396	379	253	40LH10	19.1
	F 648	432	411	274	40LH11	20.2
	F 678	452	452	346	48LH12	19.4
	F 732	488	488	342	44LH12	20.6
	F 811	541	541	413	48LH13	21.8
	F 868	579	579	405	44LH13	24.8
	F 957	638	638	487	48LH14	26.1
	F 999	666	666	464	44LH14	27.5
	F 1099	733	733	558	48LH15	28.6
	F 1162	775	775	540	44LH15	31.9
	F 1189	793	750	500	40LH15	34.5
	F 1269	846	846	643	48LH16	34.1
	F 1339	893	893	621	44LH16	39.1
	F 1438	959	959	664	44LH17	40.6
62	F 340	227	171	114	32LH06	13.2
	F 387	258	219	146	36LH07	14.3
	F 403	269	255	170	40LH08	14.0
	F 426	284	240	160	36LH08	15.3
	F 486	324	324	247	48LH10	14.8
	F 528	352	352	267	48LH11	15.8
	F 529	353	333	222	40LH09	17.5
	F 537	358	358	248	44LH10	17.5
	F 582	388	388	268	44LH11	18.0
	F 583	389	367	245	40LH10	19.0
	F 601	401	337	225	36LH10	20.5
	F 666	444	444	335	48LH12	19.2
	F 720	480	480	331	44LH12	20.6
	F 798	532	532	400	48LH13	21.9

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
62 (cont.)	F 853	569	569	392	44LH13	24.9
	F 942	628	628	472	48LH14	26.3
	F 966	644	644	522	52DLH13	26.2
	F 982	655	655	450	44LH14	28.1
	F 1083	722	722	540	48LH15	28.4
	F 1104	736	736	584	52DLH14	29.4
	F 1143	762	762	522	44LH15	32.3
	F 1240	827	827	658	52DLH15	32.1
	F 1248	832	832	623	48LH16	34.0
	F 1338	892	892	732	52DLH16	35.1
	F 1401	934	934	696	48LH17	39.3
	F 1416	944	944	642	44LH17	40.6
	F 1539	1026	1026	835	52DLH17	41.0
63	F 330	220	162	108	32LH06	13.2
	F 376	251	210	140	36LH07	14.3
	F 414	276	229	153	36LH08	15.2
	F 478	319	319	239	48LH10	15.2
	F 519	346	346	258	48LH11	15.5
	F 522	348	322	215	40LH09	17.3
	F 529	353	353	240	44LH10	17.4
	F 574	383	355	237	40LH10	19.0
	F 583	389	322	215	36LH10	20.5
	F 655	437	437	324	48LH12	19.2
	F 702	468	468	383	52DLH11	19.7
	F 708	472	472	321	44LH12	21.5
	F 784	523	523	387	48LH13	21.7
	F 840	560	560	380	44LH13	24.8
	F 927	618	618	457	48LH14	26.2
	F 949	633	633	506	52DLH13	26.2
	F 967	645	645	435	44LH14	29.5
	F 1065	710	710	523	48LH15	29.3
	F 1086	724	724	565	52DLH14	29.6
	F 1125	750	750	506	44LH15	32.4
	F 1228	819	819	603	48LH16	34.0
	F 1317	878	878	708	52DLH16	35.3
	F 1378	919	919	674	48LH17	39.4
	F 1393	929	929	622	44LH17	41.6
	F 1515	1010	1010	809	52DLH17	40.6
64	F 321	214	156	104	32LH06	13.2
	F 366	244	201	134	36LH07	14.3
	F 402	268	219	146	36LH08	15.0
	F 471	314	314	212	44LH09	16.5
	F 513	342	313	209	40LH09	17.4
	F 520	347	347	233	44LH10	17.4
	F 565	377	345	230	40LH10	19.0
	F 567	378	309	206	36LH10	20.3
	F 645	430	430	314	48LH12	19.3
	F 690	460	460	371	52DLH11	19.9
	F 697	465	465	311	44LH12	21.4
	F 771	514	514	405	52DLH12	21.4
	F 772	515	515	375	48LH13	22.9

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
64 (cont.)	F 826	551	551	368	44LH13	24.8
	F 912	608	608	443	48LH14	26.3
	F 936	624	624	490	52DLH13	26.6
	F 952	635	633	422	44LH14	29.6
	F 1048	699	699	507	48LH15	29.8
	F 1069	713	713	547	52DLH14	29.5
	F 1107	738	735	490	44LH15	32.3
	F 1209	806	806	584	48LH16	34.0
	F 1296	864	864	686	52DLH16	35.2
	F 1357	905	905	653	48LH17	40.4
	F 1371	914	903	602	44LH17	42.1
	F 1491	994	994	783	52DLH17	41.7
65	F 312	208	148	99	32LH06	13.2
	F 355	237	192	128	36LH07	14.3
	F 390	260	210	140	36LH08	14.9
	F 463	309	307	205	44LH09	16.4
	F 513	342	339	226	44LH10	17.3
	F 555	370	366	244	44LH11	18.4
	F 556	371	334	223	40LH10	19.7
	F 636	424	424	305	48LH12	19.8
	F 679	453	453	360	52DLH11	19.9
	F 687	458	451	301	44LH12	22.0
	F 759	506	506	392	52DLH12	21.6
	F 760	507	507	364	48LH13	22.7
	F 814	543	535	357	44LH13	25.5
	F 921	614	614	475	52DLH13	26.6
	F 937	625	613	409	44LH14	29.5
	F 1032	688	688	491	48LH15	29.7
	F 1053	702	702	531	52DLH14	29.2
	F 1090	727	712	475	44LH15	32.2
	F 1189	793	793	566	48LH16	34.3
	F 1275	850	850	665	52DLH16	39.4
	F 1336	891	891	633	48LH17	40.3
	F 1350	900	876	584	44LH17	42.0
	F 1468	979	979	759	52DLH17	41.9
66	F 345	230	183	122	36LH07	14.4
	F 379	253	201	134	36LH08	15.0
	F 381	254	225	150	40LH08	14.5
	F 457	305	298	199	44LH09	16.4
	F 498	332	294	196	40LH09	17.8
	F 505	337	328	219	44LH10	17.9
	F 546	364	355	237	44LH11	18.4
	F 550	367	324	216	40LH10	20.5
	F 598	399	351	234	40LH11	21.0
	F 610	407	407	319	52DLH10	19.5
	F 625	417	417	295	48LH12	20.2
	F 669	446	446	349	52DLH11	20.4
	F 676	451	438	292	44LH12	22.1
	F 747	498	498	380	52DLH12	22.2
	F 748	499	499	353	48LH13	24.3
	F 801	534	519	346	44LH13	26.8

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
66 (cont.)	F 907	605	605	461	52DLH13	26.7
	F 922	615	594	396	44LH14	29.5
	F 1017	678	678	476	48LH15	30.1
	F 1036	691	691	515	52DLH14	29.6
	F 1074	716	691	461	44LH15	34.2
	F 1165	777	777	580	52DLH15	34.2
	F 1171	781	781	549	48LH16	36.0
	F 1257	838	838	645	52DLH16	39.1
	F 1315	877	877	614	48LH17	40.4
	F 1329	886	849	566	44LH17	42.0
	F 1446	964	964	736	52DLH17	41.8
67	F 336	224	175	117	36LH07	14.3
	F 369	246	192	128	36LH08	14.9
	F 370	247	216	144	40LH08	14.8
	F 450	300	289	193	44LH09	16.5
	F 484	323	282	188	40LH09	17.8
	F 487	325	325	228	48LH11	16.4
	F 496	331	318	212	44LH10	17.8
	F 537	358	345	230	44LH11	19.0
	F 600	400	400	309	52DLH10	19.4
	F 616	411	411	287	48LH12	20.1
	F 658	439	439	338	52DLH11	20.4
	F 666	444	424	283	44LH12	21.9
	F 735	490	490	369	52DLH12	22.1
	F 738	492	492	342	48LH13	24.2
	F 789	526	504	336	44LH13	26.8
	F 892	595	595	447	52DLH13	26.7
	F 909	606	577	385	44LH14	29.6
	F 994	663	663	534	56DLH14	29.3
	F 1021	681	681	499	52DLH14	31.4
	F 1057	705	670	447	44LH15	34.5
	F 1147	765	765	563	52DLH15	34.2
	F 1153	769	769	533	48LH16	35.6
	F 1225	817	817	672	56DLH16	35.3
	F 1237	825	825	626	52DLH16	39.1
	F 1296	864	864	596	48LH17	40.4
	F 1309	873	823	549	44LH17	42.0
	F 1423	949	949	715	52DLH17	41.7
68	F 327	218	168	112	36LH07	14.2
	F 358	239	184	123	36LH08	15.0
	F 361	241	207	138	40LH08	14.7
	F 444	296	280	187	44LH09	16.3
	F 472	315	270	180	40LH09	18.4
	F 490	327	309	206	44LH10	17.7
	F 529	353	334	223	44LH11	19.3
	F 592	395	395	300	52DLH10	19.4
	F 607	405	405	278	48LH12	20.2
	F 649	433	433	328	52DLH11	20.3
	F 655	437	412	275	44LH12	22.0
	F 724	483	483	358	52DLH12	22.6
	F 727	485	485	332	48LH13	24.2

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
68 (cont.)	F 778	519	489	326	44LH13	26.7
	F 880	587	587	434	52DLH13	26.5
	F 895	597	559	373	44LH14	29.6
	F 979	653	653	519	56DLH14	29.6
	F 987	658	658	449	48LH15	31.4
	F 1006	671	671	485	52DLH14	31.3
	F 1042	695	651	434	44LH15	34.4
	F 1131	754	754	546	52DLH15	34.5
	F 1137	758	758	517	48LH16	35.4
	F 1207	805	805	652	56DLH16	39.1
	F 1276	851	851	578	48LH17	40.4
	F 1290	860	799	533	44LH17	42.4
	F 1402	935	935	694	52DLH17	41.7
69	F 318	212	160	107	36LH07	14.4
	F 349	233	177	118	36LH08	15.1
	F 351	234	198	132	40LH08	14.8
	F 436	291	273	182	44LH09	16.1
	F 459	306	259	173	40LH09	18.2
	F 483	322	300	200	44LH10	17.9
	F 522	348	324	216	44LH11	19.1
	F 598	399	399	270	48LH12	20.1
	F 640	427	427	319	52DLH11	20.9
	F 646	431	400	267	44LH12	22.0
	F 705	470	470	372	56DLH12	21.6
	F 714	476	476	348	52DLH12	23.2
	F 717	478	478	322	48LH13	24.2
	F 766	511	475	317	44LH13	26.8
	F 846	564	564	380	48LH14	27.0
	F 853	569	569	451	56DLH13	26.9
	F 867	578	578	421	52DLH13	27.6
	F 882	588	544	363	44LH14	29.8
	F 966	644	644	504	56DLH14	29.7
	F 991	661	661	471	52DLH14	31.2
	F 1026	684	631	421	44LH15	34.5
	F 1114	743	743	530	52DLH15	34.6
	F 1120	747	747	502	48LH16	35.4
	F 1191	794	794	633	56DLH16	39.2
	F 1201	801	801	590	52DLH16	39.8
	F 1258	839	839	562	48LH17	40.7
	F 1372	915	915	720	56DLH17	41.2
	F 1383	922	922	674	52DLH17	42.7
70	F 310	207	154	103	36LH07	14.4
	F 342	228	190	127	40LH08	14.7
	F 430	287	287	194	48LH10	16.6
	F 447	298	249	166	40LH09	18.1
	F 466	311	311	209	48LH11	16.9
	F 475	317	292	195	44LH10	18.3
	F 493	329	274	183	40LH10	19.0
	F 514	343	315	210	44LH11	19.8
	F 589	393	393	262	48LH12	20.0
	F 631	421	421	310	52DLH11	20.6

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
70 (cont.)	F 637	425	388	259	44LH12	22.2
	F 703	469	469	338	52DLH12	23.1
	F 706	471	469	313	48LH13	24.7
	F 756	504	460	307	44LH13	26.8
	F 832	555	555	370	48LH14	27.0
	F 841	561	561	438	56DLH13	26.8
	F 855	570	570	409	52DLH13	28.3
	F 870	580	528	352	44LH14	30.5
	F 951	634	634	489	56DLH14	29.3
	F 978	652	652	457	52DLH14	31.5
	F 1012	675	613	409	44LH15	34.7
	F 1098	732	732	515	52DLH15	34.3
	F 1104	736	732	488	48LH16	39.3
	F 1183	789	789	573	52DLH16	39.7
	F 1240	827	819	546	48LH17	42.3
	F 1363	909	909	654	52DLH17	42.7
71	F 301	201	148	99	36LH07	14.3
	F 331	221	163	109	36LH08	15.0
	F 333	222	183	122	40LH08	14.6
	F 424	283	258	172	44LH09	17.6
	F 436	291	240	160	40LH09	18.1
	F 460	307	304	203	48LH11	16.9
	F 481	321	264	176	40LH10	19.4
	F 507	338	306	204	44LH11	19.9
	F 582	388	382	255	48LH12	20.4
	F 597	398	398	323	56DLH11	19.9
	F 622	415	415	301	52DLH11	21.7
	F 685	457	457	351	56DLH12	21.9
	F 696	464	457	305	48LH13	24.7
	F 745	497	448	299	44LH13	26.9
	F 750	500	406	271	40LH13	29.0
	F 829	553	553	426	56DLH13	27.0
	F 843	562	562	398	52DLH13	28.5
	F 858	572	513	342	44LH14	31.3
	F 891	594	594	483	60DLH14	29.0
	F 937	625	625	476	56DLH14	29.8
	F 945	630	616	411	48LH15	32.3
	F 963	642	642	444	52DLH14	31.9
	F 1047	698	698	570	60DLH15	32.8
	F 1072	715	715	537	56DLH15	34.0
	F 1083	722	722	501	52DLH15	35.1
	F 1156	771	771	598	56DLH16	39.1
	F 1167	778	778	557	52DLH16	39.7
	F 1222	815	795	530	48LH17	42.3
	F 1344	896	896	636	52DLH17	42.5
	F 1525	1017	1017	818	60DLH18	47.1
72	F 294	196	142	95	36LH07	14.3
	F 322	215	156	104	36LH08	14.9
	F 325	217	175	117	40LH08	14.6
	F 418	279	250	167	44LH09	17.5
	F 424	283	229	153	40LH09	18.5

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
72 (cont.)	F 454	303	295	197	48LH11	17.4
	F 462	308	276	184	44LH10	18.9
	F 499	333	298	199	44LH11	19.7
	F 573	382	372	248	48LH12	20.5
	F 588	392	392	314	56DLH11	19.9
	F 613	409	409	293	52DLH11	22.2
	F 619	413	367	245	44LH12	24.0
	F 687	458	444	296	48LH13	24.7
	F 735	490	436	291	44LH13	27.8
	F 790	527	527	441	60DLH13	26.3
	F 819	546	546	414	56DLH13	27.0
	F 831	554	554	387	52DLH13	29.5
	F 925	617	617	462	56DLH14	29.5
	F 931	621	600	400	48LH15	32.3
	F 949	633	633	432	52DLH14	32.2
	F 984	656	580	387	44LH15	35.6
	F 1057	705	705	522	56DLH15	35.1
	F 1068	712	712	487	52DLH15	36.1
	F 1140	760	760	581	56DLH16	39.1
	F 1150	767	767	542	52DLH16	39.5
	F 1206	804	774	516	48LH17	42.3
	F 1303	869	869	704	60DLH17	41.1
	F 1314	876	876	661	56DLH17	42.3
	F 1324	883	883	618	52DLH17	43.5
	F 1504	1003	1003	796	60DLH18	47.0
73	F 286	191	136	91	36LH07	14.2
	F 313	209	150	100	36LH08	14.9
	F 316	211	168	112	40LH08	14.9
	F 412	275	267	178	48LH10	16.3
	F 414	276	220	147	40LH09	18.4
	F 448	299	288	192	48LH11	17.5
	F 456	304	268	179	44LH10	19.4
	F 493	329	289	193	44LH11	19.7
	F 565	377	361	241	48LH12	20.5
	F 580	387	387	305	56DLH11	19.9
	F 604	403	403	285	52DLH11	21.9
	F 610	407	357	238	44LH12	23.9
	F 676	451	432	288	48LH13	24.6
	F 724	483	424	283	44LH13	27.8
	F 780	520	520	429	60DLH13	26.2
	F 807	538	538	403	56DLH13	27.0
	F 819	546	546	376	52DLH13	29.3
	F 867	578	578	457	60DLH14	28.9
	F 912	608	608	450	56DLH14	29.4
	F 918	612	583	389	48LH15	32.3
	F 937	625	625	420	52DLH14	32.8
	F 1017	678	678	539	60DLH15	33.7
	F 1042	695	695	508	56DLH15	34.9
	F 1053	702	702	474	52DLH15	35.6
	F 1125	750	750	565	56DLH16	39.0
	F 1135	757	757	527	52DLH16	40.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
73 (cont.)	F 1189	793	751	501	48LH17	42.3
	F 1285	857	857	685	60DLH17	41.2
	F 1296	864	864	643	56DLH17	42.4
	F 1306	871	871	601	52DLH17	43.7
	F 1483	989	989	774	60DLH18	47.1
74	F 309	206	162	108	40LH08	14.8
	F 406	271	259	173	48LH10	16.4
	F 408	272	237	158	44LH09	18.0
	F 442	295	280	187	48LH11	17.7
	F 450	300	261	174	44LH10	19.4
	F 487	325	282	188	44LH11	19.7
	F 543	362	362	253	52DLH10	20.4
	F 558	372	352	235	48LH12	21.5
	F 597	398	398	277	52DLH11	21.9
	F 603	402	348	232	44LH12	23.9
	F 667	445	420	280	48LH13	24.5
	F 715	477	412	275	44LH13	27.8
	F 769	513	513	418	60DLH13	26.1
	F 796	531	531	392	56DLH13	27.8
	F 808	539	539	366	52DLH13	28.9
	F 855	570	570	444	60DLH14	28.8
	F 906	604	568	379	48LH15	32.4
	F 924	616	613	409	52DLH14	32.6
	F 1027	685	685	494	56DLH15	34.9
	F 1038	692	691	461	52DLH15	35.7
	F 1044	696	654	436	48LH16	40.3
	F 1104	736	736	586	60DLH16	39.7
	F 1120	747	747	513	52DLH16	40.5
	F 1173	782	732	488	48LH17	42.3
	F 1269	846	846	667	60DLH17	41.0
	F 1278	852	852	626	56DLH17	42.1
	F 1288	859	859	585	52DLH17	46.1
	F 1464	976	976	753	60DLH18	47.2
75	F 301	201	156	104	40LH08	14.7
	F 397	265	228	152	44LH09	17.6
	F 402	268	253	169	48LH10	16.4
	F 436	291	273	182	48LH11	17.5
	F 439	293	252	168	44LH10	19.3
	F 475	317	271	181	44LH11	19.7
	F 537	358	358	247	52DLH10	20.3
	F 550	367	342	228	48LH12	21.4
	F 588	392	392	270	52DLH11	21.8
	F 589	393	336	224	44LH12	23.9
	F 624	416	416	336	60DLH12	22.4
	F 658	439	409	273	48LH13	25.1
	F 699	466	397	265	44LH13	27.8
	F 759	506	506	407	60DLH13	26.3
	F 786	524	524	382	56DLH13	27.8
	F 843	562	562	433	60DLH14	29.0
	F 894	596	552	368	48LH15	32.3
	F 912	608	597	398	52DLH14	32.7

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
75 (cont.)	F 990	660	660	511	60DLH15	33.7
	F 1014	676	676	481	56DLH15	34.8
	F 1030	687	637	425	48LH16	40.3
	F 1089	726	726	571	60DLH16	39.8
	F 1095	730	730	536	56DLH16	39.9
	F 1105	737	737	499	52DLH16	41.0
	F 1156	771	712	475	48LH17	42.6
	F 1251	834	834	649	60DLH17	42.2
	F 1261	841	841	609	56DLH17	43.1
	F 1272	848	848	570	52DLH17	46.5
	F 1444	963	963	733	60DLH18	47.3
76	F 294	196	150	100	40LH08	14.6
	F 388	259	219	146	44LH09	17.1
	F 396	264	246	164	48LH10	16.9
	F 430	287	265	177	48LH11	17.5
	F 465	310	262	175	44LH11	20.1
	F 529	353	353	240	52DLH10	20.3
	F 543	362	333	222	48LH12	21.4
	F 580	387	387	263	52DLH11	21.8
	F 616	411	411	328	60DLH12	22.3
	F 649	433	399	266	48LH13	25.0
	F 681	454	381	254	44LH13	27.5
	F 750	500	500	396	60DLH13	26.6
	F 766	511	469	313	48LH14	29.5
	F 775	517	517	372	56DLH13	28.8
	F 787	525	520	347	52DLH13	29.9
	F 832	555	555	421	60DLH14	29.9
	F 900	600	582	388	52DLH14	32.7
	F 948	632	632	528	64DLH15	32.2
	F 978	652	652	497	60DLH15	33.6
	F 1000	667	667	468	56DLH15	35.5
	F 1017	678	621	414	48LH16	40.3
	F 1074	716	716	556	60DLH16	39.8
	F 1080	720	720	521	56DLH16	39.9
	F 1090	727	727	486	52DLH16	41.0
	F 1228	819	819	672	64DLH17	41.2
	F 1234	823	823	632	60DLH17	42.3
	F 1245	830	830	593	56DLH17	43.0
	F 1255	837	832	555	52DLH17	46.4
	F 1425	950	950	714	60DLH18	47.2
77	F 288	192	145	97	40LH08	14.6
	F 375	250	189	126	40LH09	18.1
	F 379	253	211	141	44LH09	18.0
	F 391	261	240	160	48LH10	17.1
	F 424	283	258	172	48LH11	18.2
	F 453	302	252	168	44LH11	20.0
	F 522	348	348	234	52DLH10	20.3
	F 535	357	325	217	48LH12	21.5
	F 573	382	382	256	52DLH11	21.8
	F 609	406	406	319	60DLH12	22.1
	F 640	427	418	279	52DLH12	24.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
77 (cont.)	F 642	428	388	259	48LH13	26.0
	F 666	444	369	246	44LH13	27.6
	F 712	475	475	409	64DLH13	26.3
	F 739	493	493	386	60DLH13	27.3
	F 757	505	457	305	48LH14	29.9
	F 777	518	507	338	52DLH13	29.8
	F 822	548	548	410	60DLH14	29.8
	F 888	592	567	378	52DLH14	32.7
	F 934	623	623	514	64DLH15	32.1
	F 964	643	643	484	60DLH15	34.0
	F 988	659	659	456	56DLH15	35.4
	F 997	665	637	425	52DLH15	39.7
	F 1053	702	702	576	64DLH16	38.7
	F 1060	707	707	541	60DLH16	39.6
	F 1066	711	711	508	56DLH16	39.8
	F 1075	717	709	473	52DLH16	41.0
	F 1213	809	809	655	64DLH17	41.2
	F 1219	813	813	615	60DLH17	42.0
	F 1228	819	819	578	56DLH17	44.0
	F 1239	826	810	540	52DLH17	46.4
	F 1401	934	934	741	64DLH18	47.6
	F 1407	938	938	695	60DLH18	50.7
78	F 280	187	139	93	40LH08	14.6
	F 366	244	183	122	40LH09	18.0
	F 370	247	204	136	44LH09	18.0
	F 385	257	234	156	48LH10	17.0
	F 418	279	252	168	48LH11	18.1
	F 442	295	243	162	44LH11	20.1
	F 516	344	342	228	52DLH10	20.2
	F 529	353	316	211	48LH12	22.1
	F 543	362	362	267	56DLH11	20.9
	F 565	377	373	249	52DLH11	22.2
	F 600	400	400	311	60DLH12	22.0
	F 631	421	408	272	52DLH12	24.6
	F 633	422	378	252	48LH13	26.6
	F 649	433	354	236	44LH13	27.7
	F 703	469	469	398	64DLH13	26.0
	F 730	487	487	376	60DLH13	27.3
	F 747	498	445	297	48LH14	29.3
	F 766	511	493	329	52DLH13	29.8
	F 811	541	541	400	60DLH14	29.9
	F 853	569	569	394	56DLH14	32.1
	F 922	615	615	501	64DLH15	31.7
	F 952	635	635	472	60DLH15	33.9
	F 975	650	650	444	56DLH15	35.9
	F 1047	698	698	528	60DLH16	39.5
	F 1053	702	702	495	56DLH16	39.9
	F 1062	708	691	461	52DLH16	42.0
	F 1203	802	802	600	60DLH17	42.0
	F 1213	809	809	563	56DLH17	43.9
	F 1222	815	789	526	52DLH17	49.8

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
78 (cont.)	F 1383	922	922	722	64DLH18	47.5
	F 1389	926	926	677	60DLH18	50.8
79	F 274	183	135	90	40LH08	14.5
	F 363	242	196	131	44LH09	17.7
	F 381	254	228	152	48LH10	17.4
	F 414	276	246	164	48LH11	18.2
	F 433	289	235	157	44LH11	20.5
	F 508	339	333	222	52DLH10	20.6
	F 535	357	357	260	56DLH11	20.7
	F 558	372	364	243	52DLH11	22.4
	F 571	381	381	319	64DLH12	22.0
	F 624	416	397	265	52DLH12	24.9
	F 625	417	369	246	48LH13	26.6
	F 634	423	342	228	44LH13	27.8
	F 694	463	463	388	64DLH13	26.7
	F 720	480	480	366	60DLH13	27.8
	F 738	492	435	290	48LH14	29.2
	F 757	505	481	321	52DLH13	29.8
	F 795	530	530	415	64DLH14	28.9
	F 801	534	534	390	60DLH14	29.8
	F 843	562	562	384	56DLH14	32.0
	F 865	577	538	359	52DLH14	34.0
	F 912	608	608	489	64DLH15	33.9
	F 940	627	627	460	60DLH15	34.8
	F 963	642	642	433	56DLH15	35.8
	F 1033	689	689	514	60DLH16	39.5
	F 1039	693	693	482	56DLH16	39.9
	F 1048	699	675	450	52DLH16	42.0
	F 1188	792	792	585	60DLH17	41.9
	F 1197	798	798	549	56DLH17	43.6
	F 1207	805	769	513	52DLH17	49.7
	F 1365	910	910	704	64DLH18	47.6
	F 1371	914	914	660	60DLH18	50.9
80	F 267	178	129	86	40LH08	15.5
	F 354	236	190	127	44LH09	17.7
	F 376	251	222	148	48LH10	17.4
	F 408	272	240	160	48LH11	18.2
	F 423	282	226	151	44LH11	20.8
	F 502	335	325	217	52DLH10	21.6
	F 516	344	301	201	48LH12	22.1
	F 552	368	355	237	52DLH11	22.4
	F 615	410	387	258	52DLH12	24.8
	F 618	412	360	240	48LH13	26.7
	F 685	457	457	379	64DLH13	27.0
	F 711	474	474	357	60DLH13	27.6
	F 729	486	424	283	48LH14	30.3
	F 747	498	469	313	52DLH13	29.8
	F 784	523	523	405	64DLH14	28.8
	F 790	527	527	380	60DLH14	29.9
	F 832	555	555	374	56DLH14	31.9
	F 855	570	525	350	52DLH14	33.9

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
80 (cont.)	F 900	600	600	476	64DLH15	34.3
	F 928	619	619	449	60DLH15	35.6
	F 951	634	633	422	56DLH15	39.4
	F 960	640	591	394	52DLH15	40.6
	F 1012	675	675	533	64DLH16	40.0
	F 1020	680	680	501	60DLH16	40.4
	F 1035	690	657	438	52DLH16	42.0
	F 1173	782	782	570	60DLH17	42.0
	F 1182	788	788	535	56DLH17	43.6
	F 1192	795	750	500	52DLH17	49.7
	F 1348	899	899	686	64DLH18	47.5
	F 1353	902	902	644	60DLH18	50.8
81	F 261	174	124	83	40LH08	15.4
	F 346	231	183	122	44LH09	17.6
	F 372	248	217	145	48LH10	17.4
	F 381	254	201	134	44LH10	19.3
	F 403	269	234	156	48LH11	18.8
	F 414	276	219	146	44LH11	20.8
	F 496	331	316	211	52DLH10	21.6
	F 510	340	294	196	48LH12	22.1
	F 544	363	346	231	52DLH11	22.6
	F 558	372	372	304	64DLH12	22.5
	F 607	405	378	252	52DLH12	24.9
	F 610	407	351	234	48LH13	26.7
	F 676	451	451	369	64DLH13	27.0
	F 703	469	469	348	60DLH13	27.6
	F 738	492	457	305	52DLH13	29.9
	F 775	517	517	395	64DLH14	29.4
	F 781	521	521	371	60DLH14	30.2
	F 822	548	547	365	56DLH14	32.8
	F 828	552	474	316	48LH15	34.6
	F 840	560	560	469	68DLH15	31.9
	F 844	563	511	341	52DLH14	34.3
	F 889	593	593	465	64DLH15	34.3
	F 916	611	611	438	60DLH15	35.6
	F 948	632	576	384	52DLH15	40.6
	F 1000	667	667	520	64DLH16	40.0
	F 1008	672	672	489	60DLH16	40.1
	F 1014	676	676	459	56DLH16	41.4
	F 1023	682	642	428	52DLH16	42.1
	F 1123	749	749	626	68DLH17	41.0
	F 1158	772	772	556	60DLH17	43.0
	F 1167	778	778	522	56DLH17	46.2
	F 1177	785	732	488	52DLH17	49.6
	F 1332	888	888	669	64DLH18	47.5
	F 1336	891	891	628	60DLH18	50.6
	F 1497	998	998	803	68DLH19	55.4
82	F 339	226	177	118	44LH09	17.5
	F 369	246	211	141	48LH10	17.4
	F 373	249	195	130	44LH10	19.2
	F 399	266	228	152	48LH11	18.8

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
82 (cont.)	F 403	269	210	140	44LH11	20.3
	F 504	336	286	191	48LH12	22.1
	F 516	344	344	242	56DLH11	22.2
	F 538	359	337	225	52DLH11	23.9
	F 550	367	367	296	64DLH12	22.4
	F 571	381	381	281	60DLH12	24.1
	F 592	395	394	263	56DLH12	24.6
	F 603	402	342	228	48LH13	26.6
	F 669	446	446	360	64DLH13	26.9
	F 694	463	463	340	60DLH13	27.5
	F 729	486	447	298	52DLH13	30.0
	F 766	511	511	385	64DLH14	30.1
	F 771	514	514	362	60DLH14	31.2
	F 811	541	534	356	56DLH14	32.7
	F 829	553	553	457	68DLH15	31.8
	F 834	556	499	333	52DLH14	34.9
	F 877	585	585	453	64DLH15	34.1
	F 906	604	604	427	60DLH15	35.6
	F 927	618	603	402	56DLH15	39.8
	F 936	624	562	375	52DLH15	40.7
	F 988	659	659	508	64DLH16	39.7
	F 996	664	664	477	60DLH16	40.2
	F 1000	667	667	448	56DLH16	41.3
	F 1009	673	625	417	52DLH16	42.1
	F 1138	759	759	577	64DLH17	42.2
	F 1144	763	763	542	60DLH17	44.2
	F 1153	769	763	509	56DLH17	46.3
	F 1162	775	714	476	52DLH17	49.4
	F 1315	877	877	653	64DLH18	47.6
	F 1320	880	880	613	60DLH18	52.0
	F 1479	986	986	783	68DLH19	55.2
83	F 331	221	171	114	44LH09	17.5
	F 361	241	204	136	48LH10	17.4
	F 364	243	187	125	44LH10	18.7
	F 390	260	220	147	48LH11	18.8
	F 396	264	204	136	44LH11	20.3
	F 493	329	277	185	48LH12	22.0
	F 510	340	340	236	56DLH11	22.2
	F 531	354	330	220	52DLH11	23.7
	F 544	363	363	289	64DLH12	22.3
	F 586	391	385	257	56DLH12	24.8
	F 589	393	331	221	48LH13	26.6
	F 594	396	360	240	52DLH12	26.4
	F 660	440	440	352	64DLH13	26.6
	F 685	457	457	332	60DLH13	28.1
	F 720	480	436	291	52DLH13	29.9
	F 756	504	504	376	64DLH14	30.0
	F 762	508	508	353	60DLH14	30.8
	F 802	535	522	348	56DLH14	32.9
	F 820	547	547	446	68DLH15	31.9
	F 867	578	578	442	64DLH15	34.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
83 (cont.)	F 894	596	596	417	60DLH15	35.2
	F 916	611	588	392	56DLH15	39.7
	F 925	617	549	366	52DLH15	40.5
	F 976	651	651	495	64DLH16	39.7
	F 984	656	656	466	60DLH16	40.0
	F 988	659	655	437	56DLH16	41.2
	F 997	665	610	407	52DLH16	42.2
	F 1125	750	750	563	64DLH17	42.3
	F 1131	754	754	529	60DLH17	44.1
	F 1140	760	745	497	56DLH17	46.5
	F 1149	766	697	465	52DLH17	49.7
	F 1269	846	846	674	68DLH18	47.8
	F 1299	866	866	637	64DLH18	51.0
	F 1305	870	870	598	60DLH18	51.8
	F 1461	974	974	765	68DLH19	55.1
84	F 324	216	165	110	44LH09	17.8
	F 354	236	198	132	48LH10	17.8
	F 357	238	181	121	44LH10	19.4
	F 382	255	213	142	48LH11	19.1
	F 387	258	196	131	44LH11	21.2
	F 483	322	268	179	48LH12	22.0
	F 504	336	336	230	56DLH11	22.2
	F 525	350	322	215	52DLH11	23.6
	F 538	359	359	282	64DLH12	22.9
	F 579	386	376	251	56DLH12	24.8
	F 586	391	351	234	52DLH12	26.8
	F 627	418	418	362	68DLH13	26.7
	F 652	435	435	343	64DLH13	27.8
	F 700	467	456	304	56DLH13	29.8
	F 711	474	426	284	52DLH13	31.3
	F 747	498	498	367	64DLH14	29.9
	F 753	502	502	345	60DLH14	30.7
	F 792	528	508	339	56DLH14	32.9
	F 810	540	540	436	68DLH15	31.9
	F 856	571	571	432	64DLH15	34.1
	F 883	589	589	407	60DLH15	35.8
	F 964	643	643	484	64DLH16	39.8
	F 972	648	648	455	60DLH16	40.0
	F 976	651	640	427	56DLH16	41.2
	F 985	657	595	397	52DLH16	42.2
	F 1111	741	741	550	64DLH17	42.1
	F 1117	745	745	517	60DLH17	44.1
	F 1135	757	681	454	52DLH17	50.0
	F 1252	835	835	658	68DLH18	47.7
	F 1284	856	856	622	64DLH18	50.8
	F 1288	859	859	584	60DLH18	51.7
	F 1443	962	962	746	68DLH19	55.2
85	F 316	211	159	106	44LH09	17.8
	F 346	231	190	127	48LH10	17.9
	F 349	233	175	117	44LH10	19.4
	F 373	249	205	137	48LH11	19.1

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
85 (cont.)	F 378	252	190	127	44LH11	21.0
	F 472	315	288	192	52DLH10	21.6
	F 498	332	332	225	56DLH11	22.1
	F 519	346	315	210	52DLH11	24.3
	F 531	354	354	276	64DLH12	22.9
	F 571	381	367	245	56DLH12	25.0
	F 579	386	343	229	52DLH12	26.8
	F 619	413	413	353	68DLH13	26.6
	F 645	430	430	335	64DLH13	27.7
	F 693	462	445	297	56DLH13	29.7
	F 744	496	496	336	60DLH14	30.8
	F 783	522	496	331	56DLH14	32.7
	F 801	534	534	425	68DLH15	32.1
	F 847	565	565	422	64DLH15	34.0
	F 873	582	582	397	60DLH15	35.4
	F 952	635	635	472	64DLH16	39.8
	F 975	650	582	388	52DLH16	42.1
	F 1098	732	732	537	64DLH17	42.2
	F 1104	736	736	505	60DLH17	44.2
	F 1113	742	711	474	56DLH17	49.6
	F 1122	748	664	443	52DLH17	50.1
	F 1212	808	808	678	72DLH18	46.7
	F 1239	826	826	642	68DLH18	47.7
	F 1269	846	846	607	64DLH18	50.7
	F 1273	849	849	570	60DLH18	51.7
	F 1426	951	951	729	68DLH19	55.1
86	F 310	207	154	103	44LH09	17.9
	F 339	226	184	123	48LH10	17.8
	F 342	228	169	113	44LH10	19.3
	F 366	244	199	133	48LH11	19.0
	F 370	247	184	123	44LH11	20.9
	F 468	312	280	187	52DLH10	22.1
	F 492	328	328	220	56DLH11	22.0
	F 513	342	307	205	52DLH11	24.4
	F 525	350	350	269	64DLH12	22.9
	F 544	363	363	256	60DLH12	24.8
	F 565	377	358	239	56DLH12	25.3
	F 573	382	334	223	52DLH12	26.6
	F 613	409	409	345	68DLH13	26.6
	F 637	425	425	327	64DLH13	27.4
	F 684	456	435	290	56DLH13	29.7
	F 694	463	406	271	52DLH13	32.1
	F 705	470	470	371	68DLH14	29.5
	F 730	487	487	350	64DLH14	30.3
	F 735	490	490	329	60DLH14	31.9
	F 792	528	528	416	68DLH15	32.2
	F 795	530	453	302	52DLH14	35.0
	F 837	558	558	412	64DLH15	35.5
	F 862	575	575	388	60DLH15	35.9
	F 883	589	547	365	56DLH15	40.7
	F 909	606	606	515	72DLH16	39.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
86 (cont.)	F 942	628	628	461	64DLH16	40.6
	F 949	633	633	434	60DLH16	41.7
	F 954	636	610	407	56DLH16	42.3
	F 1086	724	724	525	64DLH17	42.1
	F 1090	727	727	493	60DLH17	44.1
	F 1099	733	694	463	56DLH17	49.6
	F 1108	739	649	433	52DLH17	50.1
	F 1197	798	798	662	72DLH18	46.5
	F 1224	816	816	627	68DLH18	47.4
	F 1254	836	836	593	64DLH18	50.7
	F 1258	839	835	557	60DLH18	51.8
	F 1410	940	940	712	68DLH19	55.1
87	F 303	202	148	99	44LH09	17.9
	F 331	221	178	119	48LH10	17.7
	F 334	223	165	110	44LH10	19.2
	F 358	239	193	129	48LH11	19.0
	F 363	242	178	119	44LH11	21.0
	F 462	308	274	183	52DLH10	22.2
	F 486	324	322	215	56DLH11	22.1
	F 507	338	300	200	52DLH11	24.4
	F 519	346	346	263	64DLH12	23.5
	F 559	373	351	234	56DLH12	25.2
	F 565	377	327	218	52DLH12	26.7
	F 606	404	404	337	68DLH13	27.0
	F 630	420	420	320	64DLH13	27.8
	F 654	436	436	302	60DLH13	29.3
	F 676	451	424	283	56DLH13	30.1
	F 697	465	465	363	68DLH14	29.3
	F 721	481	481	342	64DLH14	30.7
	F 727	485	481	321	60DLH14	31.9
	F 783	522	522	406	68DLH15	32.0
	F 786	524	442	295	52DLH14	35.0
	F 828	552	552	403	64DLH15	35.9
	F 853	569	568	379	60DLH15	40.2
	F 874	583	535	357	56DLH15	40.8
	F 931	621	621	451	64DLH16	40.4
	F 937	625	625	424	60DLH16	41.5
	F 943	629	595	397	56DLH16	42.3
	F 1011	674	674	573	72DLH17	40.9
	F 1045	697	697	542	68DLH17	41.4
	F 1072	715	715	513	64DLH17	44.5
	F 1078	719	719	482	60DLH17	46.9
	F 1095	730	634	423	52DLH17	50.1
	F 1183	789	789	647	72DLH18	46.6
	F 1210	807	807	613	68DLH18	47.5
	F 1245	830	816	544	60DLH18	51.5
	F 1393	929	929	696	68DLH19	55.1
88	F 297	198	144	96	44LH09	17.8
	F 325	217	174	116	48LH10	17.7
	F 327	218	159	106	44LH10	19.0
	F 351	234	187	125	48LH11	19.0

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
88 (cont.)	F 354	236	172	115	44LH11	20.9
	F 457	305	268	179	52DLH10	22.1
	F 481	321	315	210	56DLH11	22.6
	F 501	334	294	196	52DLH11	24.4
	F 513	342	342	257	64DLH12	23.4
	F 532	355	355	244	60DLH12	24.7
	F 559	373	319	213	52DLH12	26.7
	F 622	415	415	313	64DLH13	27.5
	F 646	431	431	295	60DLH13	29.2
	F 669	446	415	277	56DLH13	30.2
	F 690	460	460	354	68DLH14	29.2
	F 714	476	476	335	64DLH14	31.3
	F 718	479	471	314	60DLH14	31.8
	F 756	504	463	309	56DLH14	34.2
	F 774	516	516	397	68DLH15	32.9
	F 817	545	545	393	64DLH15	35.5
	F 843	562	555	370	60DLH15	40.2
	F 864	576	523	349	56DLH15	40.8
	F 921	614	614	440	64DLH16	40.4
	F 927	618	618	414	60DLH16	41.4
	F 933	622	582	388	56DLH16	42.5
	F 999	666	666	560	72DLH17	40.8
	F 1033	689	689	530	68DLH17	42.5
	F 1060	707	707	501	64DLH17	44.4
	F 1066	711	706	471	60DLH17	46.9
	F 1170	780	780	632	72DLH18	46.5
	F 1195	797	797	599	68DLH18	47.8
	F 1230	820	798	532	60DLH18	51.5
	F 1377	918	918	680	68DLH19	55.2
89	F 291	194	139	93	44LH09	17.7
	F 318	212	168	112	48LH10	17.6
	F 321	214	154	103	44LH10	18.9
	F 343	229	180	120	48LH11	19.0
	F 348	232	166	111	44LH11	20.8
	F 451	301	262	175	52DLH10	22.2
	F 475	317	307	205	56DLH11	22.6
	F 495	330	286	191	52DLH11	24.4
	F 507	338	338	251	64DLH12	23.1
	F 526	351	351	239	60DLH12	24.6
	F 553	369	313	209	52DLH12	26.8
	F 616	411	411	306	64DLH13	27.4
	F 639	426	426	288	60DLH13	29.2
	F 661	441	406	271	56DLH13	30.1
	F 681	454	454	346	68DLH14	29.3
	F 705	470	470	327	64DLH14	31.2
	F 711	474	460	307	60DLH14	31.8
	F 747	498	453	302	56DLH14	34.4
	F 759	506	506	408	72DLH15	32.2
	F 765	510	510	388	68DLH15	33.8
	F 808	539	539	385	64DLH15	35.3
	F 834	556	543	362	60DLH15	40.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
89 (cont.)	F 855	570	511	341	56DLH15	40.9
	F 910	607	607	431	64DLH16	40.6
	F 916	611	607	405	60DLH16	41.7
	F 922	615	570	380	56DLH16	42.5
	F 988	659	659	547	72DLH17	41.4
	F 1021	681	681	518	68DLH17	42.3
	F 1048	699	699	490	64DLH17	44.3
	F 1156	771	771	618	72DLH18	46.4
	F 1182	788	788	586	68DLH18	47.8
	F 1216	811	780	520	60DLH18	51.5
	F 1362	908	908	665	68DLH19	55.4
90	F 312	208	162	108	48LH10	17.6
	F 337	225	175	117	48LH11	19.0
	F 424	283	220	147	48LH12	22.8
	F 447	298	256	171	52DLH10	22.5
	F 490	327	280	187	52DLH11	24.4
	F 502	335	335	246	64DLH12	23.4
	F 520	347	347	233	60DLH12	24.5
	F 547	365	306	204	52DLH12	26.7
	F 609	406	406	299	64DLH13	27.5
	F 633	422	422	282	60DLH13	29.3
	F 664	443	370	247	52DLH13	32.1
	F 697	465	465	320	64DLH14	31.1
	F 702	468	450	300	60DLH14	31.8
	F 751	501	501	399	72DLH15	32.2
	F 756	504	504	379	68DLH15	33.8
	F 799	533	533	376	64DLH15	35.4
	F 825	550	531	354	60DLH15	40.1
	F 868	579	579	471	72DLH16	39.2
	F 897	598	598	446	68DLH16	40.0
	F 906	604	594	396	60DLH16	41.7
	F 912	608	556	371	56DLH16	42.5
	F 976	651	651	535	72DLH17	41.4
	F 1011	674	674	506	68DLH17	42.2
	F 1036	691	691	479	64DLH17	44.2
	F 1059	706	592	395	52DLH17	50.0
	F 1144	763	763	604	72DLH18	47.8
	F 1170	780	780	573	68DLH18	50.8
	F 1197	798	798	542	64DLH18	51.6
	F 1203	802	762	508	60DLH18	54.7
	F 1347	898	898	650	68DLH19	55.4
91	F 306	204	157	105	48LH10	17.6
	F 330	220	169	113	48LH11	18.9
	F 436	291	247	165	52DLH10	22.1
	F 480	320	271	181	52DLH11	24.3
	F 496	331	331	240	64DLH12	24.4
	F 535	357	295	197	52DLH12	26.7
	F 601	401	401	292	64DLH13	27.9
	F 625	417	414	276	60DLH13	29.7
	F 649	433	358	239	52DLH13	32.2
	F 694	463	439	293	60DLH14	32.7

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
91 (cont.)	F 742	495	495	391	72DLH15	32.2
	F 748	499	499	371	68DLH15	33.4
	F 790	527	527	368	64DLH15	35.3
	F 816	544	519	346	60DLH15	40.1
	F 835	557	489	326	56DLH15	40.9
	F 897	598	580	387	60DLH16	41.4
	F 901	601	544	363	56DLH16	42.5
	F 966	644	644	524	72DLH17	41.4
	F 999	666	666	495	68DLH17	42.3
	F 1026	684	684	468	64DLH17	44.3
	F 1036	691	571	381	52DLH17	49.7
	F 1131	754	754	591	72DLH18	47.6
	F 1156	771	771	560	68DLH18	50.6
	F 1185	790	790	530	64DLH18	51.6
	F 1189	793	745	497	60DLH18	54.7
	F 1327	885	885	671	72DLH19	55.2
	F 1332	888	888	636	68DLH19	56.3
92	F 300	200	153	102	48LH10	17.6
	F 324	216	165	110	48LH11	19.0
	F 427	285	238	159	52DLH10	22.4
	F 460	307	288	192	56DLH11	24.0
	F 469	313	261	174	52DLH11	24.9
	F 490	327	327	235	64DLH12	24.3
	F 508	339	334	223	60DLH12	24.9
	F 523	349	286	191	52DLH12	27.1
	F 528	352	313	209	56DLH12	26.8
	F 595	397	397	286	64DLH13	28.6
	F 618	412	405	270	60DLH13	30.2
	F 636	424	346	231	52DLH13	32.0
	F 640	427	379	253	56DLH13	32.3
	F 642	428	428	342	72DLH14	29.7
	F 660	440	440	324	68DLH14	30.6
	F 687	458	430	287	60DLH14	32.3
	F 735	490	490	382	72DLH15	32.1
	F 739	493	493	363	68DLH15	33.5
	F 781	521	521	360	64DLH15	35.1
	F 807	538	508	339	60DLH15	40.0
	F 826	551	478	319	56DLH15	40.8
	F 877	585	585	426	68DLH16	40.6
	F 892	595	532	355	56DLH16	42.5
	F 955	637	637	512	72DLH17	41.5
	F 1014	676	676	458	64DLH17	44.3
	F 1119	746	746	578	72DLH18	47.7
	F 1171	781	777	518	64DLH18	51.5
	F 1176	784	729	486	60DLH18	54.6
	F 1312	875	875	656	72DLH19	55.2
	F 1317	878	878	622	68DLH19	56.2
93	F 294	196	148	99	48LH10	18.2
	F 318	212	159	106	48LH11	19.3
	F 418	279	231	154	52DLH10	22.3
	F 459	306	253	169	52DLH11	24.5

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
93 (cont.)	F 486	324	324	230	64DLH12	24.3
	F 504	336	327	218	60DLH12	25.4
	F 513	342	277	185	52DLH12	27.0
	F 523	349	306	204	56DLH12	26.9
	F 589	393	393	280	64DLH13	28.4
	F 612	408	396	264	60DLH13	30.2
	F 621	414	336	224	52DLH13	32.1
	F 634	423	423	335	72DLH14	29.6
	F 652	435	435	317	68DLH14	30.7
	F 675	450	448	299	64DLH14	32.2
	F 679	453	421	281	60DLH14	33.2
	F 727	485	485	374	72DLH15	32.0
	F 732	488	488	355	68DLH15	33.5
	F 774	516	516	352	64DLH15	35.7
	F 798	532	498	332	60DLH15	41.1
	F 799	533	423	282	52DLH15	42.0
	F 817	545	468	312	56DLH15	41.8
	F 867	578	578	417	68DLH16	40.7
	F 882	588	522	348	56DLH16	42.4
	F 945	630	630	501	72DLH17	41.4
	F 1003	669	669	448	64DLH17	44.2
	F 1017	678	592	395	56DLH17	50.2
	F 1107	738	738	566	72DLH18	47.9
	F 1159	773	760	507	64DLH18	51.5
	F 1164	776	714	476	60DLH18	54.7
	F 1297	865	865	642	72DLH19	55.4
	F 1303	869	869	609	68DLH19	56.1
94	F 288	192	144	96	48LH10	18.1
	F 312	208	154	103	48LH11	19.0
	F 409	273	225	150	52DLH10	22.4
	F 448	299	246	164	52DLH11	24.5
	F 450	300	276	184	56DLH11	24.0
	F 480	320	320	225	64DLH12	24.5
	F 501	334	268	179	52DLH12	27.1
	F 517	345	300	200	56DLH12	26.8
	F 561	374	374	289	68DLH13	28.2
	F 583	389	389	274	64DLH13	29.5
	F 606	404	387	258	60DLH13	30.6
	F 609	406	324	216	52DLH13	32.1
	F 627	418	418	328	72DLH14	29.7
	F 645	430	430	310	68DLH14	30.6
	F 667	445	439	293	64DLH14	32.1
	F 672	448	412	275	60DLH14	33.0
	F 708	472	406	271	56DLH14	35.2
	F 765	510	510	345	64DLH15	35.2
	F 789	526	487	325	60DLH15	40.8
	F 808	539	459	306	56DLH15	41.9
	F 831	554	554	431	72DLH16	41.0
	F 861	574	574	386	64DLH16	42.0
	F 868	579	544	363	60DLH16	42.7
	F 934	623	623	491	72DLH17	41.5

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
94 (cont.)	F 967	645	645	464	68DLH17	44.6
	F 970	647	519	346	52DLH17	49.9
	F 993	662	658	439	64DLH17	47.9
	F 997	665	618	412	60DLH17	50.0
	F 1095	730	730	554	72DLH18	47.7
	F 1119	746	746	525	68DLH18	51.7
	F 1146	764	744	496	64DLH18	55.1
	F 1152	768	699	466	60DLH18	55.0
	F 1284	856	856	629	72DLH19	55.2
	F 1288	859	859	596	68DLH19	56.0
95	F 282	188	139	93	48LH10	18.1
	F 306	204	150	100	48LH11	19.3
	F 400	267	217	145	52DLH10	22.4
	F 439	293	237	158	52DLH11	24.5
	F 445	297	270	180	56DLH11	24.7
	F 475	317	317	221	64DLH12	24.8
	F 493	329	313	209	60DLH12	25.4
	F 511	341	294	196	56DLH12	26.9
	F 555	370	370	282	68DLH13	28.3
	F 576	384	384	268	64DLH13	29.5
	F 598	399	379	253	60DLH13	30.4
	F 619	413	355	237	56DLH13	32.2
	F 639	426	426	304	68DLH14	30.7
	F 660	440	430	287	64DLH14	32.0
	F 666	444	403	269	60DLH14	33.0
	F 700	467	397	265	56DLH14	35.3
	F 711	474	474	358	72DLH15	33.7
	F 715	477	477	340	68DLH15	34.6
	F 757	505	505	337	64DLH15	36.3
	F 781	521	477	318	60DLH15	40.9
	F 799	533	448	299	56DLH15	41.9
	F 822	548	548	422	72DLH16	41.0
	F 852	568	567	378	64DLH16	42.0
	F 859	573	532	355	60DLH16	42.6
	F 925	617	617	480	72DLH17	41.4
	F 957	638	638	454	68DLH17	44.5
	F 987	658	606	404	60DLH17	50.1
	F 1084	723	723	542	72DLH18	47.7
	F 1107	738	738	514	68DLH18	51.7
	F 1134	756	729	486	64DLH18	55.0
	F 1270	847	847	615	72DLH19	55.2
	F 1275	850	850	583	68DLH19	56.1
96	F 277	185	135	90	48LH10	18.2
	F 300	200	145	97	48LH11	19.2
	F 391	261	210	140	52DLH10	22.3
	F 430	287	229	153	52DLH11	24.5
	F 441	294	264	176	56DLH11	24.7
	F 471	314	314	216	64DLH12	24.8
	F 480	320	252	168	52DLH12	27.0
	F 487	325	307	205	60DLH12	25.6
	F 507	338	288	192	56DLH12	26.9

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
96 (cont.)	F 549	366	366	277	68DLH13	28.0
	F 570	380	380	263	64DLH13	29.5
	F 592	395	372	248	60DLH13	30.3
	F 613	409	348	232	56DLH13	32.1
	F 631	421	421	298	68DLH14	30.7
	F 654	436	421	281	64DLH14	32.0
	F 658	439	396	264	60DLH14	32.9
	F 693	462	390	260	56DLH14	35.2
	F 703	469	469	351	72DLH15	33.7
	F 708	472	472	333	68DLH15	34.5
	F 750	500	495	330	64DLH15	40.3
	F 772	515	466	311	60DLH15	41.0
	F 792	528	439	293	56DLH15	41.9
	F 813	542	542	413	72DLH16	41.0
	F 843	562	555	370	64DLH16	41.9
	F 850	567	522	348	60DLH16	42.8
	F 915	610	610	470	72DLH17	42.3
	F 946	631	631	445	68DLH17	44.5
	F 984	656	556	371	56DLH17	50.3
	F 1072	715	715	531	72DLH18	51.2
	F 1096	731	731	503	68DLH18	51.7
	F 1122	748	714	476	64DLH18	55.0
	F 1257	838	838	603	72DLH19	56.7
	F 1261	841	841	571	68DLH19	58.4
97	F 271	181	130	87	48LH10	17.5
	F 294	196	141	94	48LH11	19.3
	F 384	256	204	136	52DLH10	22.2
	F 421	281	223	149	52DLH11	24.5
	F 436	291	259	173	56DLH11	24.7
	F 471	314	244	163	52DLH12	26.9
	F 483	322	301	201	60DLH12	26.0
	F 501	334	282	188	56DLH12	27.2
	F 543	362	362	271	68DLH13	28.0
	F 565	377	377	257	64DLH13	29.5
	F 586	391	364	243	60DLH13	30.3
	F 606	404	342	228	56DLH13	32.1
	F 646	431	412	275	64DLH14	32.4
	F 651	434	387	258	60DLH14	34.3
	F 696	464	464	344	72DLH15	33.7
	F 702	468	468	326	68DLH15	35.7
	F 741	494	486	324	64DLH15	40.1
	F 765	510	457	305	60DLH15	41.2
	F 783	522	430	287	56DLH15	41.9
	F 805	537	537	405	72DLH16	41.0
	F 835	557	543	362	64DLH16	42.0
	F 841	561	511	341	60DLH16	42.8
	F 846	564	480	320	56DLH16	45.7
	F 906	604	604	461	72DLH17	43.2
	F 937	625	625	436	68DLH17	44.5
	F 975	650	544	363	56DLH17	50.0
	F 1084	723	723	493	68DLH18	51.8

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
97 (cont.)	F 1111	741	699	466	64DLH18	54.9
	F 1245	830	830	590	72DLH19	56.4
	F 1249	833	833	559	68DLH19	58.5
98	F 376	251	198	132	52DLH10	22.3
	F 412	275	216	144	52DLH11	24.3
	F 432	288	253	169	56DLH11	24.9
	F 460	307	237	158	52DLH12	26.8
	F 477	318	295	197	60DLH12	25.9
	F 496	331	276	184	56DLH12	27.7
	F 537	358	358	265	68DLH13	27.9
	F 559	373	373	252	64DLH13	29.5
	F 601	401	334	223	56DLH13	32.1
	F 619	413	413	286	68DLH14	31.7
	F 640	427	405	270	64DLH14	32.7
	F 645	430	379	253	60DLH14	34.3
	F 694	463	463	320	68DLH15	35.7
	F 733	489	475	317	64DLH15	40.0
	F 796	531	531	397	72DLH16	40.3
	F 826	551	532	355	64DLH16	42.0
	F 832	555	501	334	60DLH16	42.7
	F 838	559	469	313	56DLH16	45.8
	F 897	598	598	451	72DLH17	43.0
	F 927	618	618	427	68DLH17	44.2
	F 964	643	534	356	56DLH17	50.1
	F 1074	716	716	483	68DLH18	51.7
	F 1099	733	684	456	64DLH18	54.8
	F 1231	821	821	578	72DLH19	56.4
	F 1236	824	822	548	68DLH19	58.3
99	F 369	246	192	128	52DLH10	22.3
	F 405	270	210	140	52DLH11	24.3
	F 424	283	244	163	56DLH11	25.2
	F 451	301	229	153	52DLH12	26.6
	F 456	304	304	203	64DLH12	25.2
	F 472	315	289	193	60DLH12	26.7
	F 486	324	267	178	56DLH12	27.6
	F 532	355	355	260	68DLH13	27.9
	F 553	369	369	247	64DLH13	29.4
	F 574	383	349	233	60DLH13	31.5
	F 591	394	324	216	56DLH13	32.3
	F 612	408	408	280	68DLH14	31.6
	F 634	423	396	264	64DLH14	33.6
	F 639	426	372	248	60DLH14	34.3
	F 687	458	458	313	68DLH15	35.6
	F 726	484	466	311	64DLH15	40.1
	F 789	526	526	389	72DLH16	40.2
	F 817	545	522	348	64DLH16	42.3
	F 823	549	490	327	60DLH16	42.8
	F 888	592	592	442	72DLH17	43.0
	F 918	612	612	418	68DLH17	44.2
	F 945	630	517	345	56DLH17	50.1
	F 946	631	558	372	60DLH17	50.2

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
99 (cont.)	F 1062	708	708	473	68DLH18	51.6
	F 1089	726	670	447	64DLH18	54.9
	F 1219	813	813	566	72DLH19	56.4
	F 1224	816	805	537	68DLH19	61.4
100	F 361	241	186	124	52DLH10	22.3
	F 396	264	202	135	52DLH11	24.4
	F 415	277	237	158	56DLH11	25.0
	F 442	295	223	149	52DLH12	26.6
	F 451	301	298	199	64DLH12	24.9
	F 468	312	283	189	60DLH12	26.7
	F 477	318	259	173	56DLH12	27.3
	F 526	351	351	255	68DLH13	27.8
	F 547	365	363	242	64DLH13	29.4
	F 568	379	342	228	60DLH13	31.5
	F 579	386	313	209	56DLH13	32.5
	F 589	393	393	289	72DLH14	30.9
	F 606	404	404	274	68DLH14	32.6
	F 627	418	388	259	64DLH14	33.2
	F 631	421	364	243	60DLH14	34.3
	F 652	435	351	234	56DLH14	36.3
	F 679	453	453	307	68DLH15	35.5
	F 720	480	456	304	64DLH15	40.1
	F 742	495	430	287	60DLH15	41.3
	F 747	498	396	264	56DLH15	42.3
	F 816	544	480	320	60DLH16	42.8
	F 879	586	586	433	72DLH17	43.0
	F 909	606	606	410	68DLH17	44.1
	F 927	618	502	335	56DLH17	50.4
	F 937	625	546	364	60DLH17	50.3
	F 1051	701	694	463	68DLH18	51.5
	F 1077	718	657	438	64DLH18	54.9
	F 1207	805	805	555	72DLH19	56.4
	F 1212	808	789	526	68DLH19	61.4
101	F 354	236	180	120	52DLH10	22.3
	F 388	259	198	132	52DLH11	24.4
	F 408	272	229	153	56DLH11	25.0
	F 433	289	216	144	52DLH12	26.8
	F 447	298	292	195	64DLH12	25.2
	F 463	309	277	185	60DLH12	26.6
	F 468	312	252	168	56DLH12	27.1
	F 522	348	348	250	68DLH13	27.8
	F 543	362	355	237	64DLH13	29.5
	F 562	375	336	224	60DLH13	31.4
	F 568	379	306	204	56DLH13	32.5
	F 583	389	389	284	72DLH14	31.0
	F 621	414	381	254	64DLH14	33.3
	F 625	417	357	238	60DLH14	34.3
	F 640	427	342	228	56DLH14	36.1
	F 673	449	449	301	68DLH15	35.6
	F 712	475	447	298	64DLH15	40.2
	F 735	490	421	281	60DLH15	41.2

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
101 (cont.)	F 801	534	501	334	64DLH16	42.8
	F 870	580	580	425	72DLH17	43.0
	F 900	600	600	402	68DLH17	44.2
	F 907	605	487	325	56DLH17	50.3
	F 928	619	535	357	60DLH17	50.3
	F 1041	694	681	454	68DLH18	51.5
	F 1066	711	645	430	64DLH18	55.3
	F 1195	797	797	544	72DLH19	56.1
	F 1200	800	774	516	68DLH19	61.4
102	F 346	231	174	116	52DLH10	22.2
	F 381	254	192	128	52DLH11	24.3
	F 400	267	223	149	56DLH11	24.9
	F 426	284	210	140	52DLH12	26.8
	F 442	295	286	191	64DLH12	25.9
	F 459	306	244	163	56DLH12	27.1
	F 537	358	348	232	64DLH13	30.6
	F 558	372	295	197	56DLH13	32.4
	F 579	386	386	278	72DLH14	30.9
	F 615	410	373	249	64DLH14	33.2
	F 619	413	349	233	60DLH14	35.2
	F 628	419	331	221	56DLH14	36.1
	F 667	445	442	295	68DLH15	35.4
	F 705	470	438	292	64DLH15	40.4
	F 717	478	372	248	56DLH15	42.3
	F 727	485	412	275	60DLH15	42.2
	F 793	529	490	327	64DLH16	42.9
	F 861	574	574	416	72DLH17	43.0
	F 919	613	525	350	60DLH17	50.1
	F 1009	673	673	470	72DLH18	51.9
	F 1032	688	667	445	68DLH18	54.7
	F 1060	707	592	395	60DLH18	57.2
	F 1183	789	789	534	72DLH19	58.7
	F 1188	792	759	506	68DLH19	61.5
103	F 340	227	171	114	52DLH10	22.3
	F 373	249	186	124	52DLH11	24.3
	F 393	262	217	145	56DLH11	24.9
	F 417	278	202	135	52DLH12	26.8
	F 438	292	282	188	64DLH12	25.8
	F 450	300	237	158	56DLH12	27.1
	F 454	303	267	178	60DLH12	27.5
	F 532	355	342	228	64DLH13	30.5
	F 547	365	286	191	56DLH13	32.4
	F 552	368	322	215	60DLH13	32.4
	F 573	382	382	273	72DLH14	30.8
	F 589	393	387	258	68DLH14	32.4
	F 609	406	366	244	64DLH14	34.1
	F 613	409	343	229	60DLH14	35.2
	F 616	411	321	214	56DLH14	36.1
	F 660	440	433	289	68DLH15	35.3
	F 699	466	430	287	64DLH15	41.2
	F 703	469	363	242	56DLH15	42.3

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
103 (cont.)	F 720	480	405	270	60DLH15	42.2
	F 786	524	481	321	64DLH16	42.9
	F 792	528	453	302	60DLH16	46.0
	F 853	569	569	408	72DLH17	44.3
	F 873	582	459	306	56DLH17	50.2
	F 910	607	514	343	60DLH17	50.1
	F 999	666	666	461	72DLH18	51.8
	F 1021	681	655	437	68DLH18	54.6
	F 1050	700	582	388	60DLH18	57.3
	F 1176	784	744	496	68DLH19	61.4
104	F 334	223	165	110	52DLH10	22.2
	F 366	244	180	120	52DLH11	24.3
	F 385	257	210	140	56DLH11	24.9
	F 409	273	198	132	52DLH12	26.7
	F 433	289	276	184	64DLH12	25.7
	F 442	295	229	153	56DLH12	27.1
	F 450	300	262	175	60DLH12	27.8
	F 526	351	336	224	64DLH13	30.5
	F 537	358	279	186	56DLH13	32.3
	F 547	365	316	211	60DLH13	32.4
	F 567	378	378	268	72DLH14	30.8
	F 583	389	379	253	68DLH14	32.5
	F 603	402	358	239	64DLH14	34.6
	F 607	405	336	224	60DLH14	35.3
	F 654	436	426	284	68DLH15	36.0
	F 691	461	421	281	64DLH15	41.2
	F 714	476	397	265	60DLH15	42.2
	F 775	517	499	333	68DLH16	42.3
	F 778	519	472	315	64DLH16	43.1
	F 784	523	444	296	60DLH16	46.0
	F 844	563	563	401	72DLH17	44.0
	F 856	571	447	298	56DLH17	50.2
	F 901	601	505	337	60DLH17	50.2
	F 990	660	660	452	72DLH18	51.3
	F 1011	674	642	428	68DLH18	54.7
	F 1041	694	570	380	60DLH18	57.3
	F 1165	777	729	486	68DLH19	61.4
105	F 327	218	160	107	52DLH10	22.2
	F 360	240	175	117	52DLH11	24.3
	F 379	253	204	136	56DLH11	24.9
	F 402	268	192	128	52DLH12	26.7
	F 433	289	225	150	56DLH12	27.1
	F 445	297	256	171	60DLH12	27.7
	F 522	348	328	219	64DLH13	30.5
	F 526	351	271	181	56DLH13	32.3
	F 541	361	310	207	60DLH13	32.5
	F 562	375	375	262	72DLH14	31.6
	F 577	385	373	249	68DLH14	32.8
	F 597	398	352	235	64DLH14	34.6
	F 601	401	330	220	60DLH14	35.2
	F 648	432	417	278	68DLH15	36.0

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
105 (cont.)	F 685	457	414	276	64DLH15	41.2
	F 706	471	390	260	60DLH15	42.3
	F 771	514	463	309	64DLH16	43.1
	F 777	518	435	290	60DLH16	46.0
	F 837	558	558	393	72DLH17	43.9
	F 840	560	433	289	56DLH17	49.9
	F 892	595	495	330	60DLH17	50.2
	F 979	653	653	444	72DLH18	51.3
	F 1002	668	630	420	68DLH18	54.7
	F 1030	687	559	373	60DLH18	57.2
	F 1153	769	715	477	68DLH19	61.5
106	F 372	248	199	133	56DLH11	24.9
	F 426	284	217	145	56DLH12	27.1
	F 442	295	252	168	60DLH12	27.8
	F 516	344	322	215	64DLH13	30.5
	F 537	358	304	203	60DLH13	32.8
	F 556	371	371	257	72DLH14	31.7
	F 571	381	366	244	68DLH14	32.7
	F 592	395	345	230	64DLH14	34.6
	F 597	398	324	216	60DLH14	35.7
	F 642	428	409	273	68DLH15	35.6
	F 678	452	406	271	64DLH15	41.3
	F 700	467	382	255	60DLH15	42.3
	F 763	509	454	303	64DLH16	43.1
	F 769	513	427	285	60DLH16	46.1
	F 829	553	553	385	72DLH17	44.3
	F 885	590	486	324	60DLH17	50.4
	F 970	647	647	435	72DLH18	51.3
	F 991	661	618	412	68DLH18	54.7
	F 1017	678	585	390	64DLH18	57.7
	F 1021	681	549	366	60DLH18	58.1
	F 1143	762	702	468	68DLH19	61.5
107	F 366	244	193	129	56DLH11	24.9
	F 417	278	211	141	56DLH12	27.1
	F 421	281	261	174	64DLH12	27.0
	F 433	289	244	163	60DLH12	27.7
	F 492	328	328	222	68DLH13	30.3
	F 511	341	316	211	64DLH13	31.1
	F 526	351	295	197	60DLH13	32.7
	F 567	378	358	239	68DLH14	32.8
	F 586	391	339	226	64DLH14	34.5
	F 636	424	402	268	68DLH15	35.5
	F 672	448	399	266	64DLH15	41.2
	F 687	458	372	248	60DLH15	42.6
	F 756	504	447	298	64DLH16	43.1
	F 820	547	547	378	72DLH17	44.3
	F 868	579	472	315	60DLH17	50.6
	F 871	581	507	338	64DLH17	50.6
	F 961	641	640	427	72DLH18	51.3
	F 982	655	607	405	68DLH18	55.1
	F 1006	671	574	383	64DLH18	57.7

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
107	F 1132	755	688	459	68DLH19	61.6
108	F 358	239	187	125	56DLH11	24.8
	F 409	273	205	137	56DLH12	27.5
	F 418	279	256	171	64DLH12	27.1
	F 426	284	237	158	60DLH12	27.6
	F 487	325	325	218	68DLH13	30.2
	F 496	331	249	166	56DLH13	32.3
	F 507	338	310	207	64DLH13	31.7
	F 517	345	286	191	60DLH13	32.5
	F 561	374	352	235	68DLH14	32.7
	F 580	387	333	222	64DLH14	34.6
	F 625	417	415	277	72DLH15	35.9
	F 630	420	394	263	68DLH15	40.3
	F 666	444	391	261	64DLH15	41.2
	F 675	450	363	242	60DLH15	42.6
	F 750	500	438	292	64DLH16	43.1
	F 813	542	542	371	72DLH17	44.2
	F 853	569	459	306	60DLH17	50.5
	F 864	576	498	332	64DLH17	50.6
	F 952	635	628	419	72DLH18	51.7
	F 973	649	595	397	68DLH18	55.2
	F 997	665	564	376	64DLH18	57.7
	F 1122	748	676	451	68DLH19	61.6
109	F 352	235	183	122	56DLH11	24.9
	F 402	268	199	133	56DLH12	27.2
	F 414	276	250	167	64DLH12	27.0
	F 418	279	231	154	60DLH12	27.6
	F 483	322	321	214	68DLH13	30.2
	F 487	325	241	161	56DLH13	32.2
	F 502	335	306	204	64DLH13	31.8
	F 508	339	280	187	60DLH13	32.5
	F 541	361	361	243	72DLH14	32.8
	F 556	371	346	231	68DLH14	33.8
	F 564	376	298	199	60DLH14	35.5
	F 576	384	327	218	64DLH14	35.4
	F 619	413	408	272	72DLH15	36.3
	F 624	416	387	258	68DLH15	37.5
	F 660	440	384	256	64DLH15	41.3
	F 663	442	352	235	60DLH15	42.4
	F 717	478	478	320	72DLH16	42.7
	F 739	493	454	303	68DLH16	43.6
	F 805	537	537	365	72DLH17	44.3
	F 837	558	447	298	60DLH17	50.4
	F 856	571	489	326	64DLH17	50.6
	F 943	629	616	411	72DLH18	51.8
	F 964	643	585	390	68DLH18	55.0
	F 988	659	553	369	64DLH18	57.7
	F 1111	741	664	443	68DLH19	61.8
110	F 346	231	177	118	56DLH11	24.8
	F 394	263	195	130	56DLH12	27.2
	F 411	274	225	150	60DLH12	27.6

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
110 (cont.)	F 478	319	315	210	68DLH13	30.1
	F 498	332	300	200	64DLH13	31.8
	F 499	333	271	181	60DLH13	32.5
	F 535	357	357	239	72DLH14	32.8
	F 550	367	339	226	68DLH14	33.8
	F 555	370	289	193	60DLH14	35.6
	F 570	380	321	214	64DLH14	35.5
	F 613	409	400	267	72DLH15	36.0
	F 654	436	376	251	64DLH15	41.2
	F 709	473	472	315	72DLH16	42.8
	F 733	489	447	298	68DLH16	43.5
	F 736	491	421	281	64DLH16	46.3
	F 799	533	533	358	72DLH17	44.6
	F 822	548	435	290	60DLH17	50.5
	F 847	565	480	320	64DLH17	50.7
	F 936	624	606	404	72DLH18	54.6
	F 955	637	574	383	68DLH18	54.8
	F 979	653	543	362	64DLH18	57.6
	F 1101	734	651	434	68DLH19	61.8
111	F 340	227	172	115	56DLH11	24.8
	F 388	259	189	126	56DLH12	27.2
	F 405	270	219	146	60DLH12	27.6
	F 406	271	241	161	64DLH12	28.2
	F 474	316	310	207	68DLH13	30.2
	F 493	329	294	196	64DLH13	31.8
	F 531	354	352	235	72DLH14	33.3
	F 546	364	333	222	68DLH14	34.5
	F 565	377	315	210	64DLH14	35.5
	F 609	406	393	262	72DLH15	36.4
	F 648	432	370	247	64DLH15	41.3
	F 703	469	463	309	72DLH16	42.8
	F 726	484	438	292	68DLH16	43.5
	F 729	486	414	276	64DLH16	46.3
	F 792	528	526	351	72DLH17	47.5
	F 807	538	424	283	60DLH17	50.5
	F 840	560	471	314	64DLH17	50.5
	F 927	618	595	397	72DLH18	54.5
	F 970	647	534	356	64DLH18	57.6
	F 1087	725	675	450	72DLH19	61.4
	F 1090	727	640	427	68DLH19	64.3
112	F 334	223	169	113	56DLH11	24.8
	F 381	254	184	123	56DLH12	27.1
	F 397	265	213	142	60DLH12	27.5
	F 403	269	238	159	64DLH12	28.2
	F 469	313	304	203	68DLH13	30.0
	F 489	326	289	193	64DLH13	31.8
	F 526	351	346	231	72DLH14	33.3
	F 534	356	274	183	60DLH14	35.3
	F 541	361	327	218	68DLH14	35.1
	F 559	373	309	206	64DLH14	36.0
	F 603	402	387	258	72DLH15	36.0

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
112 (cont.)	F 607	405	367	245	68DLH15	40.5
	F 642	428	363	242	64DLH15	42.4
	F 697	465	454	303	72DLH16	42.7
	F 720	480	430	287	68DLH16	43.5
	F 723	482	406	271	64DLH16	46.3
	F 738	492	357	238	56DLH17	49.7
	F 784	523	517	345	72DLH17	47.9
	F 793	529	412	275	60DLH17	50.4
	F 832	555	463	309	64DLH17	50.5
	F 919	613	585	390	72DLH18	55.0
	F 939	626	553	369	68DLH18	57.4
	F 961	641	523	349	64DLH18	60.9
	F 1077	718	663	442	72DLH19	61.4
	F 1081	721	628	419	68DLH19	64.2
113	F 328	219	165	110	56DLH11	24.8
	F 373	249	178	119	56DLH12	27.0
	F 391	261	207	138	60DLH12	27.7
	F 399	266	234	156	64DLH12	28.1
	F 454	303	217	145	56DLH13	32.2
	F 466	311	298	199	68DLH13	31.1
	F 474	316	250	167	60DLH13	32.6
	F 484	323	283	189	64DLH13	33.2
	F 522	348	339	226	72DLH14	33.2
	F 525	350	267	178	60DLH14	35.3
	F 537	358	322	215	68DLH14	35.2
	F 555	370	304	203	64DLH14	35.9
	F 598	399	379	253	72DLH15	40.4
	F 601	401	360	240	68DLH15	40.5
	F 636	424	357	238	64DLH15	42.3
	F 714	476	423	282	68DLH16	43.5
	F 717	478	400	267	64DLH16	46.2
	F 724	483	346	231	56DLH17	49.7
	F 778	519	400	267	60DLH17	50.5
	F 825	550	454	303	64DLH17	50.6
	F 910	607	574	383	72DLH18	55.3
	F 930	620	544	363	68DLH18	57.8
	F 952	635	514	343	64DLH18	60.9
	F 1068	712	651	434	72DLH19	61.6
	F 1071	714	618	412	68DLH19	64.3
114	F 384	256	201	134	60DLH12	27.6
	F 396	264	229	153	64DLH12	28.1
	F 462	308	294	196	68DLH13	30.9
	F 466	311	244	163	60DLH13	32.6
	F 481	321	279	186	64DLH13	33.1
	F 517	345	334	223	72DLH14	33.4
	F 532	355	316	211	68DLH14	35.1
	F 550	367	298	199	64DLH14	35.9
	F 597	398	354	236	68DLH15	40.3
	F 607	405	307	205	60DLH15	42.3
	F 631	421	351	234	64DLH15	42.8
	F 708	472	415	277	68DLH16	43.5

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
114 (cont.)	F 711	474	393	262	64DLH16	46.8
	F 765	510	391	261	60DLH17	50.4
	F 819	546	447	298	64DLH17	51.3
	F 903	602	564	376	72DLH18	55.1
	F 922	615	534	356	68DLH18	57.8
	F 945	630	505	337	64DLH18	61.5
	F 1059	706	640	427	72DLH19	61.5
	F 1062	708	606	404	68DLH19	64.2
115	F 378	252	196	131	60DLH12	27.9
	F 388	259	225	150	64DLH12	28.0
	F 459	306	237	158	60DLH13	32.7
	F 472	315	271	181	64DLH13	33.0
	F 513	342	328	219	72DLH14	33.2
	F 526	351	310	207	68DLH14	35.1
	F 540	360	289	193	64DLH14	35.8
	F 591	394	348	232	68DLH15	40.4
	F 597	398	300	200	60DLH15	42.4
	F 621	414	342	228	64DLH15	42.7
	F 700	467	408	272	68DLH16	43.5
	F 751	501	381	254	60DLH17	50.5
	F 804	536	435	290	64DLH17	51.1
	F 894	596	555	370	72DLH18	55.1
	F 915	610	525	350	68DLH18	57.8
	F 928	619	492	328	64DLH18	61.5
	F 1048	699	628	419	72DLH19	61.5
	F 1053	702	595	397	68DLH19	64.1
116	F 372	248	192	128	60DLH12	27.8
	F 382	255	219	146	64DLH12	28.0
	F 451	301	231	154	60DLH13	32.6
	F 454	303	283	189	68DLH13	32.1
	F 465	310	264	176	64DLH13	33.0
	F 508	339	322	215	72DLH14	33.1
	F 522	348	306	204	68DLH14	35.1
	F 531	354	283	189	64DLH14	35.8
	F 588	392	291	194	60DLH15	42.3
	F 610	407	334	223	64DLH15	42.7
	F 642	428	325	217	60DLH16	46.1
	F 673	449	424	283	72DLH16	44.1
	F 687	458	372	248	64DLH16	46.7
	F 694	463	402	268	68DLH16	46.9
	F 739	493	370	247	60DLH17	50.4
	F 790	527	424	283	64DLH17	51.2
	F 886	591	544	363	72DLH18	54.7
	F 906	604	516	344	68DLH18	57.8
	F 912	608	480	320	64DLH18	61.4
	F 1039	693	618	412	72DLH19	61.9
	F 1044	696	586	391	68DLH19	64.2
117	F 366	244	186	124	60DLH12	27.6
	F 376	251	213	142	64DLH12	28.0
	F 444	296	226	151	60DLH13	32.6
	F 450	300	279	186	68DLH13	32.1

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
117 (cont.)	F 457	305	256	171	64DLH13	33.0
	F 504	336	316	211	72DLH14	33.0
	F 517	345	300	200	68DLH14	35.1
	F 523	349	276	184	64DLH14	35.8
	F 580	387	336	224	68DLH15	41.4
	F 600	400	325	217	64DLH15	42.6
	F 667	445	417	278	72DLH16	44.1
	F 675	450	363	242	64DLH16	46.7
	F 688	459	394	263	68DLH16	46.9
	F 726	484	361	241	60DLH17	50.6
	F 777	518	412	275	64DLH17	51.1
	F 879	586	535	357	72DLH18	54.6
	F 898	599	507	338	68DLH18	57.8
	F 1030	687	607	405	72DLH19	61.8
	F 1035	690	576	384	68DLH19	64.1
118	F 360	240	181	121	60DLH12	27.6
	F 370	247	207	138	64DLH12	27.9
	F 436	291	220	147	60DLH13	32.6
	F 445	297	274	183	68DLH13	32.1
	F 450	300	252	168	64DLH13	32.9
	F 481	321	234	156	60DLH14	35.1
	F 514	343	268	179	64DLH14	35.7
	F 576	384	330	220	68DLH15	41.4
	F 591	394	316	211	64DLH15	42.4
	F 661	441	409	273	72DLH16	44.0
	F 664	443	352	235	64DLH16	46.6
	F 684	456	388	259	68DLH16	46.8
	F 714	476	352	235	60DLH17	50.6
	F 763	509	402	268	64DLH17	51.0
	F 769	513	441	294	68DLH17	50.8
	F 871	581	526	351	72DLH18	54.7
	F 891	594	499	333	68DLH18	57.8
	F 1026	684	565	377	68DLH19	64.3
119	F 354	236	177	118	60DLH12	27.6
	F 364	243	202	135	64DLH12	28.0
	F 429	286	214	143	60DLH13	32.4
	F 442	295	244	163	64DLH13	32.9
	F 474	316	228	152	60DLH14	35.1
	F 505	337	261	174	64DLH14	35.6
	F 510	340	289	193	68DLH14	36.1
	F 571	381	325	217	68DLH15	41.4
	F 580	387	309	206	64DLH15	42.4
	F 655	437	403	269	72DLH16	44.0
	F 678	452	381	254	68DLH16	46.8
	F 702	468	342	228	60DLH17	50.3
	F 751	501	393	262	64DLH17	50.8
	F 763	509	433	289	68DLH17	50.9
	F 864	576	517	345	72DLH18	54.7
	F 883	589	490	327	68DLH18	57.7
	F 1017	678	556	371	68DLH19	64.2

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
120	F 348	232	172	115	60DLH12	27.6
	F 358	239	198	132	64DLH12	28.0
	F 423	282	208	139	60DLH13	32.4
	F 436	291	238	159	64DLH13	32.9
	F 438	292	265	177	68DLH13	32.7
	F 465	310	223	149	60DLH14	35.1
	F 498	332	256	171	64DLH14	35.6
	F 505	337	285	190	68DLH14	36.2
	F 567	378	319	213	68DLH15	41.4
	F 571	381	301	201	64DLH15	42.4
	F 651	434	396	264	72DLH16	44.0
	F 672	448	375	250	68DLH16	47.6
	F 690	460	334	223	60DLH17	50.3
	F 738	492	382	255	64DLH17	50.6
	F 757	505	426	284	68DLH17	51.6
	F 796	531	378	252	60DLH18	57.1
	F 858	572	508	339	72DLH18	57.3
	F 876	584	481	321	68DLH18	58.8
	F 1009	673	547	365	68DLH19	64.2
121	F 342	228	169	113	60DLH12	27.6
	F 352	235	193	129	64DLH12	27.9
	F 415	277	202	135	60DLH13	32.4
	F 429	286	232	155	64DLH13	32.8
	F 435	290	261	174	68DLH13	32.6
	F 457	305	217	145	60DLH14	35.0
	F 489	326	249	166	64DLH14	35.6
	F 501	334	280	187	68DLH14	36.2
	F 541	361	256	171	60DLH15	42.3
	F 562	375	294	196	64DLH15	42.4
	F 589	393	285	190	60DLH16	45.9
	F 645	430	390	260	72DLH16	44.0
	F 666	444	369	246	68DLH16	47.5
	F 679	453	325	217	60DLH17	50.2
	F 726	484	372	248	64DLH17	50.7
	F 751	501	420	280	68DLH17	51.5
	F 783	522	369	246	60DLH18	56.9
	F 850	567	501	334	72DLH18	57.3
	F 868	579	474	316	68DLH18	58.4
	F 997	665	568	379	72DLH19	64.2
	F 1000	667	538	359	68DLH19	65.0
122	F 346	231	187	125	64DLH12	28.2
	F 421	281	228	152	64DLH13	32.9
	F 432	288	256	171	68DLH13	32.6
	F 481	321	243	162	64DLH14	35.5
	F 483	322	291	194	72DLH14	35.4
	F 498	332	276	184	68DLH14	36.2
	F 553	369	325	217	72DLH15	41.2
	F 558	372	309	206	68DLH15	41.8
	F 640	427	384	256	72DLH16	44.0
	F 714	476	364	243	64DLH17	50.7
	F 720	480	436	291	72DLH17	51.0

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
122 (cont.)	F 745	497	412	275	68DLH17	51.5
	F 823	549	411	274	64DLH18	57.7
	F 843	562	492	328	72DLH18	57.3
	F 862	575	466	311	68DLH18	61.6
	F 988	659	559	373	72DLH19	64.3
	F 993	662	529	353	68DLH19	65.0
123	F 342	228	183	122	64DLH12	28.1
	F 415	277	222	148	64DLH13	32.9
	F 426	284	252	168	68DLH13	32.6
	F 474	316	237	158	64DLH14	35.5
	F 480	320	286	191	72DLH14	35.4
	F 490	327	268	179	68DLH14	36.1
	F 549	366	319	213	72DLH15	41.3
	F 634	423	376	251	72DLH16	43.9
	F 702	468	355	237	64DLH17	50.7
	F 714	476	429	286	72DLH17	51.1
	F 733	489	402	268	68DLH17	51.4
	F 810	540	400	267	64DLH18	57.7
	F 837	558	484	323	72DLH18	57.1
	F 849	566	456	304	68DLH18	61.6
	F 981	654	550	367	72DLH19	64.2
124	F 336	224	178	119	64DLH12	28.0
	F 409	273	216	144	64DLH13	32.8
	F 418	279	246	164	68DLH13	32.5
	F 466	311	231	154	64DLH14	35.7
	F 475	317	282	188	72DLH14	36.1
	F 483	322	262	175	68DLH14	36.1
	F 537	358	273	182	64DLH15	42.5
	F 540	360	294	196	68DLH15	41.8
	F 544	363	315	210	72DLH15	42.1
	F 630	420	370	247	72DLH16	44.0
	F 691	461	346	231	64DLH17	50.8
	F 708	472	421	281	72DLH17	50.9
	F 721	481	393	262	68DLH17	51.4
	F 829	553	477	318	72DLH18	57.6
	F 835	557	445	297	68DLH18	61.6
	F 961	641	504	336	68DLH19	64.7
	F 973	649	541	361	72DLH19	64.3
125	F 331	221	174	116	64DLH12	28.0
	F 403	269	211	141	64DLH13	32.8
	F 412	275	238	159	68DLH13	32.5
	F 459	306	226	151	64DLH14	35.7
	F 471	314	277	185	72DLH14	36.0
	F 475	317	256	171	68DLH14	36.2
	F 531	354	286	191	68DLH15	41.7
	F 540	360	310	207	72DLH15	42.1
	F 624	416	364	243	72DLH16	43.4
	F 681	454	339	226	64DLH17	50.8
	F 702	468	415	277	72DLH17	50.9
	F 711	474	384	256	68DLH17	51.3
	F 823	549	469	313	72DLH18	57.5

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
125 (cont.)	F 946	631	492	328	68DLH19	64.5
	F 964	643	532	355	72DLH19	64.3
126	F 327	218	171	114	64DLH12	27.9
	F 396	264	205	137	64DLH13	32.8
	F 406	271	232	155	68DLH13	32.5
	F 451	301	220	147	64DLH14	35.7
	F 468	312	273	182	72DLH14	36.1
	F 522	348	280	187	68DLH15	41.6
	F 535	357	304	203	72DLH15	42.2
	F 582	388	289	193	64DLH16	46.7
	F 619	413	360	240	72DLH16	47.2
	F 669	446	330	220	64DLH17	50.7
	F 700	467	373	249	68DLH17	51.4
	F 816	544	462	308	72DLH18	58.4
	F 931	621	480	320	68DLH19	64.5
	F 957	638	523	349	72DLH19	64.3
127	F 321	214	166	111	64DLH12	27.9
	F 390	260	201	134	64DLH13	32.7
	F 400	267	228	152	68DLH13	32.4
	F 444	296	214	143	64DLH14	35.7
	F 463	309	268	179	72DLH14	36.1
	F 514	343	273	182	68DLH15	41.6
	F 531	354	300	200	72DLH15	42.2
	F 573	382	283	189	64DLH16	46.7
	F 615	410	354	236	72DLH16	48.0
	F 658	439	322	215	64DLH17	50.4
	F 690	460	366	244	68DLH17	51.4
	F 691	461	402	268	72DLH17	52.1
	F 810	540	454	303	72DLH18	57.8
	F 916	611	469	313	68DLH19	64.3
	F 949	633	516	344	72DLH19	64.2
128	F 316	211	163	109	64DLH12	27.9
	F 385	257	196	131	64DLH13	32.7
	F 394	263	223	149	68DLH13	32.3
	F 438	292	210	140	64DLH14	35.7
	F 454	303	238	159	68DLH14	36.1
	F 460	307	264	176	72DLH14	36.3
	F 505	337	267	178	68DLH15	41.6
	F 528	352	295	197	72DLH15	42.7
	F 564	376	276	184	64DLH16	46.3
	F 610	407	348	232	72DLH16	47.9
	F 648	432	315	210	64DLH17	50.4
	F 679	453	357	238	68DLH17	51.3
	F 685	457	396	264	72DLH17	51.6
	F 804	536	447	298	72DLH18	58.1
	F 901	601	457	305	68DLH19	64.4
	F 942	628	507	338	72DLH19	65.2
129	F 312	208	159	106	64DLH12	27.9
	F 379	253	192	128	64DLH13	32.8
	F 388	259	217	145	68DLH13	32.4
	F 430	287	204	136	64DLH14	35.4

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
129 (cont.)	F 457	305	261	174	72DLH14	36.2
	F 498	332	261	174	68DLH15	41.6
	F 523	349	291	194	72DLH15	42.7
	F 555	370	270	180	64DLH16	46.0
	F 604	403	343	229	72DLH16	47.8
	F 639	426	307	205	64DLH17	50.4
	F 669	446	348	232	68DLH17	51.1
	F 681	454	390	260	72DLH17	51.5
	F 736	491	348	232	64DLH18	60.9
	F 774	516	394	263	68DLH18	61.1
	F 798	532	441	294	72DLH18	61.4
	F 888	592	447	298	68DLH19	64.1
	F 934	623	499	333	72DLH19	65.2
130	F 382	255	213	142	68DLH13	32.3
	F 441	294	228	152	68DLH14	36.2
	F 454	303	256	171	72DLH14	37.1
	F 490	327	255	170	68DLH15	41.4
	F 520	347	286	191	72DLH15	42.7
	F 601	401	337	225	72DLH16	47.8
	F 658	439	342	228	68DLH17	51.0
	F 676	451	384	256	72DLH17	51.5
	F 762	508	385	257	68DLH18	61.1
	F 792	528	433	289	72DLH18	61.3
	F 874	583	436	291	68DLH19	64.5
	F 928	619	492	328	72DLH19	69.4
131	F 378	252	207	138	68DLH13	32.7
	F 435	290	222	148	68DLH14	36.5
	F 447	298	250	167	72DLH14	37.1
	F 483	322	249	166	68DLH15	41.3
	F 513	342	280	187	72DLH15	42.6
	F 592	395	328	219	72DLH16	47.7
	F 649	433	333	222	68DLH17	51.0
	F 667	445	375	250	72DLH17	51.5
	F 751	501	376	251	68DLH18	61.1
	F 780	520	424	283	72DLH18	61.0
	F 861	574	427	285	68DLH19	64.5
	F 913	609	481	321	72DLH19	69.4
132	F 372	248	202	135	68DLH13	32.6
	F 441	294	244	163	72DLH14	37.1
	F 475	317	243	162	68DLH15	41.7
	F 504	336	274	183	72DLH15	42.6
	F 585	390	321	214	72DLH16	47.7
	F 640	427	325	217	68DLH17	51.4
	F 657	438	367	245	72DLH17	51.5
	F 739	493	369	246	68DLH18	61.2
	F 768	512	414	276	72DLH18	60.9
	F 847	565	417	278	68DLH19	69.1
	F 900	600	469	313	72DLH19	69.2
133	F 366	244	199	133	68DLH13	32.6
	F 421	281	211	141	68DLH14	36.1
	F 435	290	238	159	72DLH14	37.1

ECONOMICAL LOAD TABLES

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
133 (cont.)	F 468	312	237	158	68DLH15	41.5
	F 496	331	267	178	72DLH15	42.6
	F 576	384	313	209	72DLH16	47.6
	F 630	420	318	212	68DLH17	51.1
	F 648	432	358	239	72DLH17	51.5
	F 729	486	360	240	68DLH18	61.1
	F 757	505	405	270	72DLH18	61.3
	F 835	557	408	272	68DLH19	69.0
	F 886	591	459	306	72DLH19	69.2
134	F 361	241	195	130	68DLH13	32.6
	F 415	277	207	138	68DLH14	36.1
	F 427	285	232	155	72DLH14	37.0
	F 462	308	232	155	68DLH15	41.5
	F 489	326	261	174	72DLH15	42.4
	F 567	378	307	205	72DLH16	47.7
	F 621	414	312	208	68DLH17	51.0
	F 639	426	349	233	72DLH17	51.5
	F 718	479	351	234	68DLH18	61.1
	F 745	497	397	265	72DLH18	61.2
	F 822	548	399	266	68DLH19	64.7
	F 873	582	450	300	72DLH19	69.2
135	F 355	237	190	127	68DLH13	32.6
	F 421	281	228	152	72DLH14	36.0
	F 454	303	228	152	68DLH15	41.5
	F 483	322	256	171	72DLH15	42.3
	F 559	373	300	200	72DLH16	47.6
	F 612	408	304	203	68DLH17	50.8
	F 630	420	342	228	72DLH17	51.5
	F 708	472	345	230	68DLH18	61.0
	F 735	490	387	258	72DLH18	61.2
	F 810	540	390	260	68DLH19	64.6
	F 859	573	439	293	72DLH19	69.1
136	F 351	234	186	124	68DLH13	32.6
	F 415	277	223	149	72DLH14	35.7
	F 448	299	222	148	68DLH15	41.5
	F 475	317	250	167	72DLH15	42.3
	F 552	368	294	196	72DLH16	47.5
	F 604	403	297	198	68DLH17	50.7
	F 621	414	336	224	72DLH17	51.3
	F 697	465	337	225	68DLH18	61.1
	F 724	483	378	252	72DLH18	61.2
	F 798	532	381	254	68DLH19	64.6
	F 847	565	429	286	72DLH19	69.2
137	F 346	231	181	121	68DLH13	32.3
	F 399	266	195	130	68DLH14	36.1
	F 411	274	219	146	72DLH14	36.9
	F 441	294	217	145	68DLH15	41.3
	F 468	312	244	163	72DLH15	42.3
	F 544	363	286	191	72DLH16	47.5
	F 595	397	291	194	68DLH17	50.7
	F 612	408	327	218	72DLH17	51.3

F = FACTORED Load

Joist Span (ft.)	Total Load (plf) Factored LRFD	Total Load (plf) Service ASD	Live Load (plf) 1/240	Live Load (plf) 1/360	Joist Designation	Joist Wgt. (plf)
137 (cont.)	F 688	459	328	219	68DLH18	61.1
	F 718	479	370	247	72DLH18	61.3
	F 787	525	372	248	68DLH19	64.6
	F 835	557	420	280	72DLH19	68.9
138	F 405	270	214	143	72DLH14	36.8
	F 462	308	240	160	72DLH15	42.4
	F 537	358	282	188	72DLH16	50.8
	F 603	402	319	213	72DLH17	51.4
	F 705	470	363	242	72DLH18	61.4
	F 823	549	411	274	72DLH19	68.8
139	F 399	266	208	139	72DLH14	36.7
	F 454	303	234	156	72DLH15	42.3
	F 529	353	274	183	72DLH16	50.5
	F 595	397	313	209	72DLH17	52.0
	F 694	463	354	236	72DLH18	61.3
	F 811	541	402	268	72DLH19	68.6
140	F 393	262	204	136	72DLH14	36.8
	F 448	299	228	152	72DLH15	42.4
	F 522	348	268	179	72DLH16	50.9
	F 586	391	307	205	72DLH17	51.4
	F 685	457	346	231	72DLH18	61.5
	F 799	533	394	263	72DLH19	69.0
141	F 388	259	199	133	72DLH14	36.8
	F 442	295	225	150	72DLH15	42.4
	F 514	343	262	175	72DLH16	50.9
	F 579	386	300	200	72DLH17	51.4
	F 675	450	340	227	72DLH18	61.4
	F 789	526	385	257	72DLH19	68.8
142	F 382	255	196	131	72DLH14	36.7
	F 436	291	220	147	72DLH15	42.4
	F 507	338	256	171	72DLH16	50.8
	F 571	381	294	196	72DLH17	51.4
	F 666	444	333	222	72DLH18	61.2
	F 777	518	376	251	72DLH19	68.7
143	F 378	252	192	128	72DLH14	36.7
	F 429	286	214	143	72DLH15	42.4
	F 501	334	253	169	72DLH16	50.8
	F 564	376	286	191	72DLH17	51.4
	F 657	438	325	217	72DLH18	61.2
	F 766	511	370	247	72DLH19	68.5
144	F 372	248	187	125	72DLH14	36.7
	F 423	282	210	140	72DLH15	42.4
	F 493	329	247	165	72DLH16	50.8
	F 556	371	282	188	72DLH17	51.3
	F 648	432	318	212	72DLH18	61.2
	F 756	504	361	241	72DLH19	68.6
145	F 367	245	184	123	72DLH14	36.6
	F 418	279	205	137	72DLH15	42.3
	F 487	325	241	161	72DLH16	50.7
	F 549	366	276	184	72DLH17	51.4
	F 639	426	313	209	72DLH18	60.9
	F 745	497	354	236	72DLH19	68.5